IERICAN RAILROAD JOURNAI

AND GENERAL ADVERTISER

FOR RAILROADS, CANALS, STEAMBOATS, MACHINERY,

AND MINES.



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ESTABLISHED 1831.



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SECOND QUARTO SERIES, VOL. II., No. 27.]

SHIPPER ARKESTED AT THE OF

SATURDAY, JULY 4, 1846.

[WHOLE No. 524, VOL. XIX.

ment. On and after Monday, April 6, 1846, the Pas-

senger Trains will run as follows:
For New York—Night Line, via Stonington.
Leaves Boston every day, but Sunday, at 5 p.m.
Accommodation Trains, leave Boston at 7½ a.m.

Accommodation Trains, leave Boston at 7½ a.m. and 4 p.m., and Providence at 8 a.m. and 4½ p.m., Dedham trains, leave Boston at 8 a.m. 12½ m., 3½ p.m., and 6½ p.m. Leave Dedham at 7 a.m. and 9½ a.m. and 2½ and 5½ p.m. Stoughton trains, leave Boston at 11½ a.m. and 5½ p.m. Leave Stoughton at 7.20 a.m. and 3½ p.m. Boston for 5½ p.m. Leave Stoughton at 7.20 a.m. and 3½ p.m. All baggage at the risk of the owners thereof.

31 ly W. RAYMOND LEE, Sup't.

Stages connect with the Accommodation trains at the Foxboro' Station, to and from Woonsocket. At the Seekonk Station, to and from Lonsdale, R. L via Pawtucket. At the Sharon Station, to and from Walpole, Mass. And at Dedham Village Station, to and from Medford, via Medway, Mass. At Providence, to and from Bristol, via Warren, R. I.—Taunton, New Bedford and Fall River cars run in connection with the accommodation trains.

Haverhill for Boston at 6‡, 8‡, and 11 a.m., and and 6‡ p.m.
Reading for Boston at 6‡, 7‡ and 9‡ a.m., 12 m., 1½, 5 and 7‡ p.m.
The Depot in Boston is on Haymarket Square.
Passengers are not allowed to carry Baggage above \$50 in value, and that personal Baggage, unless notice is given, and an extra amount paid, at the rate of the price of a Ticket for every \$500 additional value. BRANCH RAILROAD and STAGES COnnecting with the Boston and Providence Railroad.
Stages connect with the Accommodation trains at

except Sunday. Leave Norwich, at 6 a.m., and 4½ p.m. Leave Worcester, at 10 a.m., and 4½ p.m.

The morning Accommodation Trains from Norwich, and from Worcester, connect with the trains of the Boston, and Worcester and Western railroads each way.

The Evening Accommodation Train from Worcester connects with the 11 p.m. train from Boston.

New York Train via Long Island Railroad:
Leave Allyn's Point for Boston, about 1 p.m., dai-

ly, except Sunday.

Leave Woreester for New York, about 10 a.m., stopping at Webster, Danielsonville, and Norwich. New York Train via Steamboat—Leave Norwich for Boston, every morning, except Monday, on the arrival of the stamboat from New York, stopping at Norwich and Danielsonville.

Leave Worcester for New York, upon the arrival of the train from Boston, at about 41 p.m., daily, except Sunday, stopping at Webster, Danielsonville and Norwich.

Freight Trains daily each way, except Sunday.— Special contracts will be made for cargoes, or large quanties of freight, on application to the superinten-

If Fures are Less when paid for Tickels than when aid in the Cars. II

J. W. STOWELL, Sup't.

BOSTON AND PROVIDENCE RAILPoston AND MAINE RAILROAD.

Upper Route, Boston to Portland via, Reading,

Andover, Haverhill, Exeter, Dover, Great Falls, South & North Berwick, Wells, Kennebunk and Saco.

Summer Arrangement, 1846.

On and after April 13, 1846, Passenger Trains will leave daily, (Sundays excepted,) as follows:
Boston for Portland at 7½ a.m. and 2½ p.m.
Boston for Great Falls at 7½ a.m., 2½ and 4½ p.m.
Boston for Haverhill at 7½ and 11½ a.m., 2½, 4½ and

p.m. Boston for Reading at 74, 9, and 114 a.m., 24, 44,

Portland for Boston at 71 a.m., and 3 p.m. Great Falls for Boston at 61 and 91 a.m., and 41

NORWICH AND WORCESTER RAILRoad. Summer Arrangement, commencing
Monday, April 6, 1846.

Accommodation Trains, daily,

Spring Arrangement. Trains will be run on this Road as follows, until

cepted.

Leave	Trov	at 61	A.M.	Leave	Albany	at 7	A.M
- 44	- 44	71	45	- 4		8	44
- 11	- 66	81	66	tt .	13	9	- 10
988		91	- 11	11	- 46	10	- 66
	40	10%	66		- 1 44	11	-66
44"		114	**		- 11	12	M.
- 44			P.M.	- 11	- 66	11	P.M
- 16		2	14		· · · ·	21	- 16
22	- 11	3	- 44	- 44		31	" (1
		4	- 66	11		41	66
- 66 .	- "	5	11		- 11	51	- 66
ec	- 14	54	44	- 11	- 66	6	- 44
it		64	- 66	- 44	- 11	7	- 41

Troy, to Boston runs.

The 12 m. and 6 o'clock p.m. trains from Boston

Passengers from Albany will leave in the Boston Ferry Boat at the foot of Maiden Lane, which starts promptly at the time above advertised. Passengers will be taken and left at the principal Hotels in River Street, in Troy, and at the Nail Works and Bath Ferry.

The freight train will leave the City Hall at 1 o'clock, p. m., and leave White Plains at 1 o'clock in the morning.

On Sundays, the White Plains train will leave the City Hall at 7 a. m. and 5 30 p. m.; will leave the White Plains at 7 a. m. and 6 p. m.

Troy, April 1st, 1846.

L. R. SARGENT, Superintendent. 14 1y

SUMMER ARRANGEMENT.—NEW YORK AND ERIE RAILROAD LINE, from April

1st until further notice, will run daily (Sundays excepted) between the city of New York and Middletown, Goshen, and intermediate places, as follows:

FOR PASSENGERS

Leave New York at 7 A. M. and 4 P. M.

"Middletown at 64 A. M. and 54 P. M.
FARE REDUCED to \$1 25 to Middletown—way in proportion. Breakfast, supper and berths can be had on the steamboat.

Leave New York at 5 P. M.

"Middletown at 12 M.

The names of the consignee and of the station where to be left, must be distinctly marked upon each article shipped. Freight not received after 5 P. M. in New York.

Apply to J. F. Clarkson, agent, at office corner of Duane and West sts.

H. C. SEYMOUR, Sup't.

March 25th 1846.

March 25th, 1846.

Stages run daily from Middletown, on the arrival of the afternoon train, to Millord, Carbondale, Honesdale, Montrose, Towanda, Owego, and West; also to Monticello, Windsor, Binghamton, Ithaca, etc., etc. Agent on board.

NEW YORK & HARLEM RAILROAD CO.—Summer Arrangement.

On and after Friday, May 1st, 1846, the cars will run as follows:

Leave City Hall for Yorkville, Harlem and Mor-rianna, at 7, 8, 9, 10 and 11 a. m., and at 1, 2, 3 30, 4 30, 5, 6, and 6 30 p. m.

Leave City Hall for Fordham and Williams' Bridge, at 7, 10 and 11 a. m., and at 2, 3 30, 5, and 6 30 p. m.

Leave City Hall for Hunt's Bridge, Bronx, Tuc-kahoe, Hart's Corners and White Plains, at 7 and 10 a.m., and at 2 and 5 p. m.

Leave Harlem and Yorkville, at 7 10, 8 10, 9, 10, 11 10 a.m., and at 12 40, 2, 3 10, 5 10, 5 30, 6 10, and 7 p. m.

" " " " " " " Leave Williams' Bridge and Fordham, at 6 45, 7 45, and 10 45 a.m., and at 12 15, 2 45, 4 45, and roy, to Boston runs.

Leave White Plains, at 7 and 10 a. m., and at 2 and 5 p. m.

The freight train will leave the City Hall at 1 o'clock, p. m., and leave White Plains at 1 o'clock in the morning.

On Sundays, the Harlem and Williams' Bridge trains will be regulated according to the state of the weather. weather.

Commencing April 1st.

Boston 71 p. m. and 4 p. m. for Albany.
Albany 61 " and 21 " for Boston.
Springfield 7 " and 1 " tor Albany.
Springfield 7 " and 1 " for Boston.
Springfield 7 " and 1 " for Boston.

Boston, Albany and Troy: Leave Boston at 71 a. m., arrive at Springfield at 12 m., dine, leave at 1 p. m., and reach Albany at

64 p. m.

Leave Boston at 4 p. m., arrive at Springfield at 8
p. m., lodge, leave next morning at 7, and arrive at
Albany at 124 m.

Leave Albany at 64 a. m., arrive at Springfield at 1 m., dine, leave at 1 p. m., and arrive at Boston

Leave Albany at 21 p. m., arrive at Springfield at 81 p. m., lodge, leave next morning at 7, and arrive at Boston at 12 m.

Boston at 12 m.

The trains of the Troy and Greenbush railroad connect with all the above trains at Greenbush.
Fare from Boston to Albany, \$5; fare from Springfield to Boston or Albany, \$5; fare from Springfield to Boston and New York, via Springfield: Passengers leaving Boston at 4 p. m., arrive in Springfield at 8 p. m., proceed directly to Hartford and New Haven, and thence by steamers to New York, arriving at 5 o'clock a. m.
For Buffalo: the trains for Buffalo leave Albany at 7½ a. m. and 7 p. m., arriving at Buffalo at 8 a. m. and 8 p. m. next day. Returning, arrive at Albany at 4 a. m. and 4 p. m.

New York and Boston, via Albany: the trains from Boston arrive at Albany in season for the 7 o'clock boats to New York. Returning, the boats, leaving New York at 5 and 7 p. m., reach Albany at 5 a. m., in ample season for the morning trains to Boston.— Steamboats also leave Albany at 7 a. m. and 5 p. m. and stop at the usual landing landing pirces upon

The trains of the Springfield, Hartford and New Haven railroad, connect at Springfield, and passengers from Albany or Boston proceed directly on to Hartford and New Haven.

Montreal: through tickets to Montreal may be obtained in Boston, by which passengers may pro-ceed to Troy, and thence by stage via Chester, Eli-zabeth, etc., and in the season of navigation by canal to Whitehall, and thence by the splendid steamers of Lake Champlain to St. John, via Burlington, and

thence by railroad and steamers to Montreal.

The trains of the Hudson and Berkshire railroad connect at Chatham and State Line.

The Housatonic railroad connects at State Line. The trains of the Connecticut River railroad connect at Springfield, and passengers may proceed without delay to Northampton, and thence by stage to Greenfield, Brattleboro, Bellows Falls, Hanover, Haverhill, etc.

Stages leave West Brookfield for Ware, Endfield, New Baintree and Hardwick; also leave Palmer, for Three Rivers, Belchertown, Amherst, Ware and Monson; Pittsfield for North and South Adams,

Williamstown, Lebanon Springs, etc.

Merchandize trains run daily (Sundays excepted)
between Boston, Albany, Troy, Hudson, Northampton, Hartford, etc.

For further information apply to C. A. Read, gent, 27 State street, Boston, or to S. Witt, agent, lbany.

JAMES BARNES, Superintent and Engineer.

Western Railroad Office, Springfield, April 1, 1846.

EXINGTON AND OHIO RAILROAD.

Trains leave Lexington for Frankfort daily,

Trains leave Frankfort for Lex-

ington daily, at 8 o'clock a.m. and 2 p.m. Distance, 28 miles. Fare \$1.25.

On Sunday but one train, 5 o'clock a.m. from Lexington, and 2 o'clock p.m. from Frankfort.

The winter arrangement (after 15th September to 15th March) is 6 o'clock a.m. from Lexington, and 2 o'clock a.m. from Lexington, and 2 o'clock a.m. from Lexington, and 2 from Frankfort other hours as above. ma. 9. from Frankfort, other hours as above.

BOSTON AND ALBANY,—WESTERN BALTIMORE AND OHIO RAILROAD.

BALTIMORE AND OHIO RAILROAD.

MAIN STEM. The Train carrying the

Great Western Mail leaves Bal-

timore every morning at 71 and Cumberland at 8 o'clock, passing Ellicot's Mills, Frederick, Harpers Ferry, Martinsburgh and Hancock, conncting daily each way with—the Washington Trains at the Relay House seven miles from Baltimore, with the Winchester Trains at Harpers Ferry — with the various railroad and steamboat lines between Baltimore and Philadelphia and with the lines of Post Coaches between Cum-berland and Wheeling and the fine Steamboats on the Monongahela Slack Water between Brownsthe Monongahela Slack Water between Browns-ville and Pittsburgh. Time of arrival at both Cum-berland and Baltimore 5½ P. M. Fare between those points \$7, and 4 cents per mile for less distan-ces. Fare through to Wheeling \$11 and time about 36 hours, to Pittsburgh \$10, and time about 32 hours. Through tickets from Philadelphia to Wheeling \$13, to Pittsburgh \$12. Extra train daily except Sundays from Baltimore to Frederick at 4 P. M., and from Frederick to Baltimore at 8 A M. and from Frederick to Baltimore at 8 A. M.

WASHINGTON BRANCH.

Daily trains at 9 A. M. and 5 P. M. and 12 at night from Baltimore and at 6 A. M. and 5 P. M from Washington, connecting daily with the lines North, South and West, at Baltimore, Washington and the Relay house. Fare \$1 60 through between Baltimore and Washington, in either direction, cents per mile for intermediate distances.

BALTIMORE AND SUSQUEHANNA Railroad. The Passenger train runs daily except Sunday, as follows:

Leaves Baltimore at 9 a.m., and arrives at 64 p.m. Arrives at York at 124 p.m., and leaves for Columbia at 14 p.m. Leaves Columbia at 2 p.m., and leaves York for Baltimore at 3 p.m. Fare to York \$2. Wrightsville \$2 50, and Columbia \$2 624. The train connects at York with stages for Harrisburg, Gettysburg, Chambersburg, Pittsburg and York Springs.

Fare to Pittsburg. The company is authorized.

burg, Pittsburg and York Springs.

Fare to Pittsburg. The company is authorized by the proprietors of Passenger lines on the Pennsylvania improvements, to receive the fare for the whole distance from Baltimore to Pittsburg. Baltimore to Pittsburg.—Fare through, \$9 and \$10.

Afternoon train. This train leaves the ticket office daily, Sundays excepted, at \$\frac{3}{4}\$ p.m. for Cockeysville, Parkton, Green Springs, Owings' Miils, etc.

Returning, leaves Parkton at 6 and Cockeysville and Owings' Mills at 7, arriving in Baltimore at 9 o'clock a.m.

9 o'clock a.m.

Tickets for the round trip to and from any point can be procured from the agents at the ticket offices or from the conductors in the cars. The fare when tickets are thus procured, will be 25 per cent. less, and the tickets will be good for the same and follow-

any passenger train.
D. C. H. BORDLEY, Sup't.
Ticket Office, 63 North st.

GREAT SOUTHERN MAIL LINE! VIA Washington city, Richmond, Petersburg, Weldon and Charleston, S. C., direct to New Orleans. The only Line which carries the Great Southern Mail, and Twenty-four Hours in advance of Bay Line, leaving Baltimore same day.

Passengers leaving New York at 44 P.M., Philadelphia at 10 P.M., and Baltimore at 64 A.M., proceed without delay at any point, by this line, reaching Richmond in eleven, Petersburg in thirteen and a half hours, and Charleston, S. C., in two days from Raltimore Baltimore,

Baltimore,
Fare from Baltimore to Charleston......\$21 00
" " Richmond........ 6 60
For Tickets, or further information, apply at the
Southern Ticket Office, adjoining the Washington
Railroad Office, Pratt street, Baltimore, to
1y14 STOCTON & FALLS, Agents.

RAILROAD IRON.—THE "MONTOUR Iron Company," Danville, 'Pa., is prepared to execute orders for the heavy Rail Bars of any pattern now in use, in this country or in Europe, and equal in every respect in point of quality. Apply to MURDOCK, LEAVITT & CO.,

Corner of Cedar and Greenwich Sts.

SOUTH CAROLINA RAILROAD. --- A
Passenger Train runs daily from Charleston,

on the arrival of the boats from Wilmington, N.C., in connection with trains on the Georgia, and Western and Atlantic Railroads—and by stage lines and steamers connects with the Montgomery and West Point, and the Tuscumbia Railroad in N. Alabama. are through from Charleston to Montgomery

Fare through from Charleston to Huntsville,
Decatur and Tuscumbia. 22 00
The South Carolina Railroad Co. engage to receive merchandize consigned to their order, and to forward the same to any point on their road; and to the different stations on the Georgia and Western and Atlantic railroad; and to Montgomery, Ala., by the West Point and Montgomery Railroad.

1925
10HN KING, Jr. Agent.

GEORGIA RAILROAD. FROM AU-GUSTA to ATLANTA—171 MILES. AND WESTERN AND ATLANTIC RAILROAD FROM AT-LANTA TO OOTHCALOGA, 80 MILES.

This Road in connection with This Road in connection with the South Carolina Railroad and Western and Atlantic Railroad now forms a con-tinuous line, 388 miles in length, from Charleston to Oothealoga on the Oostenanla River, in Cass Co.,

Rates of Freight, and Passage from Augusta to Oothcaloga.

On Boxes of Hats, Bonnets, and Furniture

Passengers to Atlanta, head of Ga. Railroad, \$7. German or other emigrants, in lots of 20 or more, will te carried over the above roads at 2 cents

Goods consigned to S. C. Railroad Co, will be forwarded free of commissions. Freight may be paid at Augusta, Atlanta, or Oothcaloga. J. EDGAR THOMSON,

Ch. Eng. and Gen. Agent.

Augusta, Oct. 21 1845. *44 1y

VENTRAL RAILROAD-FROM SAVANnah to Macon. Distance 190 miles.
This Road is open for the trans-

portation of Passengers and Freight. Rates of Passage, \$8 00. Freight—On weight goods generally... 50 cts. per hundred. On brls. wet (except molasses and oil)....

40 cts. per hundred.

On molasses and oil\$6 00 per hhd.
Goods addressed to F. Winter, Agent, forwarded free of commission.
THOMAS PURSE, Goods addressed.

THOMAS PURSE, free of commission.

Gen'l. Sup't. Transportation.

THE WESTERN AND ATLANTIC
Railroad.—This Road is now in operation to
Oothcaloga, a distance of 80 miles, and connects
daily (Sundays excepted) with the Georgia Rail-6 60 road.

From Kingston, on this road, there is a tri-weekly ine of stages, which leave on the arrival of the cars on Tuesday, Thursday and Saturday, for Warrenton, Huntsville, Decatur and Tuscumbia, Alabama, and Memphis, Tennessee.

On the same days, the stages leave Oothcaloga for Chattanooga, Jasper, Murfreesborough, Knoxville and Nashville, Tennessee.

This is the most expeditions route from the east to

This is the most expeditious route from the east to any of these places.

CHAS. F. M. GARNETT,

Chief Enginee Atlanta, Georgia, April 16th, 1846.

Summer Arrangement.

Two passenger trains daily.

On and after Tuesday, May 5th,

until further notice, two passenger trains will be
run—leaving Cincinnati daily (Sundays excepted)
at 9 a. m. and 1 p. m. Returning, will leave Xenia
at 5 o'clock 50 min. a. m., and 2 o'clock 40 min. p.m.

at 5 o'clock 50 min. a. m., and 2 o'clock 40 min. p.m.
On Sundays, but one train will be run—leaving
Cincinnati at 9, and Xenia at 5 50 min. a. m.
Both trains connect with Neil, Moore & Co.'s
daily line of stages to Columbus, Zanesville, Wheeling, Cleveland, Sandusky City and Springfield.
Tickets may be procured at the depot on East

The company will not be responsible for baggage beyond fifty dollars in value, unless the same is turned to the conductor or agent, and freight paid at the rate of a passage for every \$500 in value above that amount. W. H. CLEMENT, Superintendent. 19

MACHINE WORKS OF ROGERS, Ketchum & Grosvenor, Patterson, N. J. The undersigned receive orders for the following articles, manufactured by them of the most superior descrip tion in every particular. Their works beingexten-sive and the number of hands employed beinglarge, they are enabled to execute both large and small orders with promptness and despatch.

Railroad Work.

Locomotive steam engines and tenders; Driving and other locomotive wheels, axles, springs & flange tires; car wheels of cast iron, from a variety of patterns, and chills; car wheels of cast iron with wrought tires; axles of best American refined iron; springs; boxes and bolts for cars.

Cotton, Wool and Flax Machinery

of all descriptions and of the most improved patterns

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style and workmanship.

Mill gearing and Millwright work generally hydraulic and other presses; press screws; callen-ders; lathes and tools of all kinds; iron and brass

castings of all descriptions.

ROGERS, KETCHUM & GROSVENOR,

a45 Paterson, N. J., or 60 Wall street, N. York.

Paterson, N. J., or 60 Wall street, N. York.

CEORGE VAIL & CO., SPEEDWELL IRON
Works, Morristown, Morris Co., N. J.—Manufacturers of Railroad Machinery; Wrought Iron
Tires, made from the best iron, either hammered or
rolled, from 14 in. to 24 in thick.—bored and turned
outside if required. Railroad Companies wishing
to order, will please give the exact inside diameter,
or circumference, to which they wish the Tires
inade, and they may rely upon being served according to order, and also punctually, as a large quantity
of the straight bar is kept constantly on hand.—
Crank Axles, made from the best refined iron;
Straight Axles, for Outside Connection Engines;
Wro't. Iron Engine and Truck Frames; Railroad
Jack Screws; Railroad Pumping and Sawing Machines, to be driven by the Locomotive; Stationary
Steam Engines; Wro't. Iron work for Steamboats,
and Shafting of any size; Grist Mill, Saw Mill and
Paper Mill Machinery; Mill Gearing and Mill
Wright work of all kinds; Steam Saw Mills of simple and economical construction, and very effective
Iron and Brass Castings of all descriptions.

ICOLL'S PATENT SAFETY SWITCH

ICOLL'S PATENT SAFETY SWITCH for Railroad Turnouts. This invention, for some time in successful operation on one of the principle of some time in successful operation of some time in successful operation. cipal railroads in the country, effectually prevents engines and their trains from running off the track at a switch, left wrong by accident or design.

It acts independently of the main track rails, being laid down, or removed, without cutting or displacing

It is never touched by passing trains, except when in use, preventing their running off the track. It is simple in its construction and operation, requiring

only two Castings and two Rails; the latter, even if much worn or used, not objectionable.

Working Models of the Safety Switch may be seen at Messrs. Davenport and Bridges, Cambridgeport, Mass., and at the office of the Railroad Journal,

Plans, Specifications, and all information obtained on application to the Subscriber, Inventor, and Patentee.

G. A. NICOLLS, Reading, Pa.

ITTLE MIAMI RAILROAD.—1846.— RAILROAD SCALES.—THE ATTENSummer Arrangement.

Railroad Companies is particularly requested to Ellicotts' Scales, made for weighing loaded cars in trains, or singly, they have been the inventors, and the first to make platform scales in the

> one hundred and twenty feet, capable of weighing ten loaded cars at a single draft. It was put on the Mine Hill and Schuylkill Haven Railroad.

Factory, 9th street, near Coates, cor. Melon st. Office, No. 3 North 5th street,

Messrs. Massey and James, I will sell at Public Auction, at the Court House in the city of St. Louis, on MONDAY, the 2nd day of November next, the above named valuable IRON WORKS—together with 8,000 ACRES OF LAND, more or less, on which there are several valuable and productive Farms open and in cultivation.

The Maramec Iron Works are situated at the Maramec Big Spring, in Crawford Co., Mo., and consist of 1 BLAST FURNACE; 1 AIR FURNACE; 1 REFINING FORGE, with large Hammer for ma-

king Blooms and Anchonies; 2 CHEFFERY FORGES for Drawing Bar Iron; ROLLING MILL for Rolling Blooms into Bars and Plates

and Places;

1 SAW AND 1 GRIST MILL,

All within 300 Yards of the head of the spring.

There are 2 large frame Coal Houses, and all other Buildings necessary, such as Shops and Houses for the workmen.

the workmen.

This Spring is one of the largest in Missouri, discharging at the lowest time 7,000 cubic feet of water per minute. The Ore Bank from which the Ore has been heretofore taken is about 600 yards from the furnace; it is the Specular Iron Ore, the best for making Bar Iron, and the quantity inexhaustible.—It is an Iron Mountain, 400 feet above the level of the Maramec River; the ore is entirely uncovered, and there is an easy descent and a good road from it to the furnace.

The lands have been carefully selected by one of the owners with a view to the interest and conve-nience of the Works, and are situated principally on the Maramec River and its tributaries, embracing the best bottom lands and water powers. The fol-lowing detatched tracts, comprized in the above quantity, were selected for the advantages they pos-

183; ACRES in T. 40 N. of R. 8 W. in Sec. 3, near Wherry's Mill, in Osage Co.; entered to secure a very valuable Mill power on the Branca Spring and a good landing on the Gasconade

80 ACRES on Benton's Creek, 12 miles from the Works; entered to secure an extensive and valuable Ore Bank 21 miles from the Maramec, at a point where there is ample water power.

320 ACRES in T. 38 N. of R. 4 W. in Sec. 22 and 28, affording an extensive and valuable water power on the Maramec river.

160 ACRES in T. 37 N. of R. 3 W. in Sec. 4, embraces two inexhaustible and valuable Ore Banks and is 1½ miles from Water power sufficient for a furnace and Grist Mill, and is distant 6 miles from the above site on the Maramec.

80 ACRES in T. 37 N. of R. 8 W. in Sec. 33, including an extensive bank of excellent Ore, and distant 11 miles from water recover on the waters.

distant 14 miles from water power on the waters of the Gasconade River, in Pulaski Co., sufficient for Furnace and Mills. All those Banks are of the same kind as the one at the Works, and deemed inexhaustible.

LOT, containing nearly one Acre, on the South Bank of the Missouri River, 4 Miles above the town of Hermann, purchased for a warehouse and

landing, and is one of the best landings on th

The lands above described are well timbered, and quested to Ellicotts' Scales, made for weighing loaded cars in trains, or singly, they have been the inhave been selected with a view to have an ample ventors, and the first to make platform scales in the United States; supposing that an experience of 20 years has given a knowledge and superior advantage in the business.

The levers of our scales are made of wrought iron, all the bearers or fulcrums are made of the best cast steel, laid on blocks of granite, extending across the pit, the upper part of the scale only being made of wood. E. Ellicott has made the largest in a very pleasant and healthful part of the councal was not been selected with a view to have an ample supply of wood and coal, for fences, building and other purposes. There are on the land valuable of the Ore, and also good quarries of Rock suitable for building. There are also on the land a great number the finest kind of Springs. A large portion of best cast steel, laid on blocks of granite, extending across the pit, the upper part of the scale only being made of wood. E. Ellicott has made the largest in a very pleasant and healthful part of the councal was one hundred and twenty feet, capable of weighing adapted to the manufacture of steel.

Railroad Scale in the world, its extreme length was one hundred and twenty feet, capable of weighing ten loaded cars at a single draft. It was put on the Mine Hill and Schuylkill Haven Railroad.

We are prepared to make scales of any size to weigh from five pounds to two hundred tons.

ELLICOTT & ABBOTT.

Factory, 9th street, near Coates, cor. Melon st.

Office, No. 3 North 5th street, near Coates, cor. Melon st.

Office, No. 3 North 5th street, philadelphia, Pa.

MARAMEC IRON WORKS FOR SALE.

By Authority of a power of Attorney from Messrs, Massey and James, I will sell at Public

The Maramec ore is believed to be admirably adapted to the manufacture of steel.

A further description of the property at this time is considered unnecessary, as those wishing to purchase will no doubt view the property, which will be shown by the Agent, residing at the works.

The terms of payment required will be one-third of the purchase money in hand and the balance in three equal annual payments, secured by mortgage on all the property.

A more particular description of the property will be given, and further conditions of the sale made known, on the day of sale.

JNO. F. ARMSTRONG, Agent. St. Louis, June 6, 1846.

St. Louis, June 6, 1846.

The Louisville, (Ky.,) Journal, Cincinnati Gazette, Tribune (Portsmouth, O.,) Nashville Whig, Pittsburg Gazette, National Intelligencer, United States Gazette, (Phila.) Railroad Journal (N. Y.,) and Boston Atlas, will publish the above once a week until the 20th day of October next, and send bills to this office for settlement, and mark price on first paper. first paper.

THE SUBSCRIBERS, AGENTS FOR the sale of

Codorus, Glendon, Spring Mill and Pig Iron. Valley,

Have now a supply, and respectfully solicit the patronage of persons engaged in the making of Machinery, for which purpose the above makes of Pig Iron are particularly adapted.

They are also sole Agents for Watson's celebrat-

ed Fire Bricks and prepared Kaolin or Fire Clay,

orders for which are promptly supplied.

SAM'L KIMBER, & CO.,
59 North Wharves,

Jan. 14, 1846. [1y4] Philadelphia, Pa.

To RAILROAD COMPANIES AND MANufacturers of railroad Machinery. The subscribers have for sale Am. and English bar fron, of all sizes; English blister, cast, shear and spring steel; Juniata rods; caraxles, made of double refined iron; sheet and boiler iron, cut to pattern; tiers for locomotive engines, and other railroad carriage wheels, made from common and double refined B. O. iron; the latter a very superior article. The tires are made by Messrs. Baldwin & Whitney, locomotive engine manufacturers of this city. Orders addressed to them, or to us, will be promptly executed.

When the exact diameter of the wheel is stated in the order, a fit to those wheels is guaranteed, saving TO RAILROAD COMPANIES AND MAN-

the order, a fit to those wheels is guaranteed, saving to the purchaser the expense of turning them out inside.

THOMAS & EDMUND GEORGE, N. E. cor. 12th and Market sts., Philad., Pa.

EARNEY FIRE BRICK. F. W. BRINLEY, Manufacturer, Perth Amboy, N. J. Guaranteed equal to any, either domestic or foreign. Any shape or size made to order, Terms,

A mos. from delivery of brick on board. Refer to
James P. Allaire,
Peter Cooper,
Murdock, Leavirt & Co.
J. Triplett & Son, Richmond, Va.
J. R. Anderson, Tredegar Iron Works, Rich-

J. R. Anderson, Tredegar Iron Works, Richmond, Va.
J. Patton, Jr.
Colwell & Co.
J. M. L. & W. H. Scovill, Waterbury, Con.
N. E. Screw Co.
Eagle Screw Co.
William Parker, Supt. Bost. and Wore. R. R.
New Jersey Malleable Iron Co., Newark, N. J.
Gardiner, Harrison & Co. Newark, N. J.
25,000 to 30,000 made weekly.
35 1y

SALAMANDER SAFES.

Warranted free from dampness, as well as fire

and thief proof.

Particular attention is invited to the following certificates, which speak for themselves:

TEST No. 10.

Certificate from Mr. Silas C. Field, of Vicksburgh Mississippi.

On the morning of the 14th ult., the store owned and occupied by me in this city, was, with its contents, entirely consumed by fire. My stock of goods consisted of oil, rosin, lard, pork, sugar, molasses, liquors, and other articles of a combustible nature, in the midst of which was one of Rich's Improved Patent Salamander Safes, which I purchased last October of Mr. Isaac Bridge, New Orleans, and which contained my books and papers. This safe was red hot, and did not cool sufficiently to be opened until 16 hours after it was taken from the ruins. At the expiration of that time it was unlocked, when its contents proved to be entirely uninjured, and not even discolored. I deem this test sufficient to show that the high reputation enjoyed by Rich's Safes is well merited: S.
Vicksburgh, Miss., March 9th, 1846. S. C. FIELD.

Certificate from Judge Battaile, of Benton, Mississippi In October last I purchased one of Rich's Improved In October last I purchased one of Rich's Improved Salamander Safes, which was in the fire at the burning of my law office, and several adjoining buildings in this place, on the 17th of November last, at about half-past one o'clock A. M. of that day, the building was entirely consumed; and I take pleasure in stating that my papers in said safe were preserved without injury. A receipt book which was in said safe, had the glue drawn out of its leather back by the heat, and the back broken; but the leaves of the book and the writing thereon were leaves of the book, and the writing thereon, were entirely uninjured; and some of the writing which was of blue ink, was also left wholly uneffaced and not in the least faded. Said safe was by the fire heated perfectly red hot, and I do not hesitate to say, that said safe is a perfect security against fire. But the safe tumbled over during the fire, and being heated red hot, the outer sheeting of the door became pressed in, and the bolts of the lock bent, so that it could not be unlocked, and I had to have it broken John Battaile.
Benton, Miss., December 27,1845.

Still other Tests in the Great Fire of July 19, 1845.

The undersigned purchased of A. S. Martin, No. 1381 Water street, one of Rich's Improved Patent Salamander Safes, which was in our store, No. 54 Exchange place. The store was entirely consumed in the great conflagration on the morning of the 19th inst. The safe was taken from the ruins 52 hours after, and on opening it, the books and papers were found entirely uninjured by fire, and only slightly wet—the leather on some of the books was perched (Signed,)
RICHARDS & CRONKHITE. by the extreme heat.

New York, 21st July, 1845.

One of Rich's Improved Salamander Safes, which purchased on the 2d of June last of A. S. Marvin, 1381 Water street, agent for the manufacturer, was exposed to the most intense heat during the late dreadful conflagration. The store which I occupied, No. 46 Broad street, was entirely consumed; the safe fell from the 2d story, about 15 feet, into the cellar, and remained there 14 hours, and when found, 1 am told, and from its appearance afterwards, should judge that it had been heated to a red heat. On opening it, the books and papers were found not to have been touched by fire. I deem this ordeal suffi-cient to confirm fully the reputation that Rich's safe has already obtained for preserving its contents against all hazards. (Signed,)

WM. BLOODGOOD.

New York, 21st July, 1845.

The above safes are finished in the neatest man-The above sates are unished in the neatest man-Ler, and can be made to order at short notice, of any size and pattern, and fitted to contain plate, jewelry, etc. Prices from \$50 to \$500 cach. For sale by A. S. MARVIN, General Agent, 1381 Water st., N.Y. Also by Isaac Bridge, 76 Magazine street, New Orleans.

Orleans

rleans.

Also by Lewis M. Hatch, 120 Meeting street, 16 tf Charleston, S. C.

CUSHMAN'S COMPOUND IRON RAILS. etc. The Subscriber having made important tec. The Subscriber having made important improvements in the construction of rails, mode of guarding against accidents from insecure joints, etc.—respectfully offers to dispose of Company, State Rights, etc., under the privileges of letters patent to Railroad Componies, Iron Founders, and others interested in the works to which the same relate. Company is the same relate. panies reconstructing their tracks now have an op-portunity of improving their roads on terms very ac-vantageous to the varied interests connected was their construction and operation; roads having in use flat bar rails are particularly interested, as such are permanently available by the plan.

W. Mc. C. CUSHMAN, Civil Engineer,

ed under his advice or plicaitons must be post paid.

RAILROAD IRON AND LOCOMOTIVE
Tyres imported to order and constantly on hand
by
A. & G. RALSTON
Mar. 20tf
4 South Front St., Philadelphia.
THE NEWCASTLE MANUFACTURING
Company continue to furnish at the Works,
situated in the town of Newcastle, Del., Locomotive
and other steam engines, Jack screws, Wrought iron
work and Brass and Iron castings, of all kinds connected with Steamboats, Railroads, etc.; Mill Gearing of every description; Cast wheels (chilled) of
any pattern and size, with Axles fitted, also with
wrought tires, Springs, Eoxes and bolts for Cars;
Driving and other wheels for Locomotives.
The works being on an extensive scale, all orders

The works being on an extensive scale, all orders will be executed with promptness and despatch.

Mr. C. also announces that Railroads, and other works pertaining to the profession, may be constructed under his advice or personal supervision. Applications must be post paid.

Driving and other wheels for Locomotives.

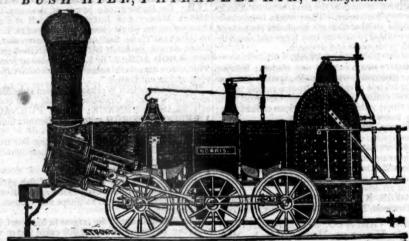
The works being on an extensive scale, all orders will be executed with promptness and despatch. Communications addressed to Mr. William H. Dobbs, Superintendent, will meet with immediate attention.

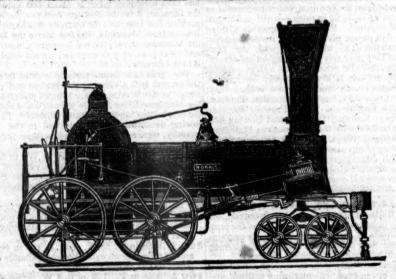
ANDREW C. GRAY, a45

President of the Newcastle Manuf. Co.

NORRIS' LOCOMOTIVE WORKS.

BUSH HILL, PHILADELPHIA, Pennsylvania.





MANUFACTURE their Patent 6 Wheel Combined and 8 Wheel Locomotives of the following descriptions, viz:

Class	1,	15.	inches	Dian	eter o	f Cy	linder,	×	20	inches	Stroke
6.	2.	14		44	46		CAN THE	X	24	4	"
- 44	3.	14	1	46	1661	41		X	20		a
44.	4.	12		46	- 61	60	valvi il	X	20	- 16	44
- 41	5.	11	i	46	16		1995	X	20	- "	
a		10	30,513 NO. 31	44		41	C. A. S.	X	18	"	44

With Wheels of any dimensions, with their Patent Arrangement for Variable Expansion. Castings of all kinds made to order; and they call attention to their Chilled Wheels the Trucks of Locemotives, Tenders and Cars. NORRIS, BROTHERS

Mathematics as a Branch of Professional Prof. De Morgan's tract, entitled, "Frst No-formal and essential reasonings of pure g

(Continued from page 390.) Geometry Studied as a Rational Science.

We shall now presume that the reader is prepared to enter upon a course of geometrical investigation, in the strict sense of the besides that of Euclid, might be with advan- tios, with each other, by means of some third ometers have never taken the trouble to forwhole, would be so safe a guide to him.

of familiarity with the terms, and with the etc of the mind, and after considerable recapitu. mises, and the third the conclusion. lation on the part of the teacher. All this architecture or engineering are professions selected by young men of inferior capacity: past year. On the contrary, they are selected rather for the taste and talent which they in the middle classes of society. We have mis of the syllogism. dictated our present series of notes, so far as term is the subject of the major primis and to give our proposed course of study a fair the predicate of the minor. All we ask of them is, that they shall hold abeyance for a few short weeks of study those notions which their reflections upon the "Minor premis—and because the duce. We feel an entire confidence that, if this condition be complied with, that abey-ance will terminate in the straight line AC.

Inne BC is equal to the straight line AB.

"Conclusion—therefore the straight line metry, without the slightest fear as to the result.

(g.) "Here BC is the straight line AC.

The student's first business must be to ac. of the MAJOR PREMIS quire a clear view of the conditions which essentially constitute a perfect argument, or minor term, and AB the middle term." in technical language, the categorical syllo-

visual appearances of the figures of geome- logic is, in its mathematical application, re- and swim with a facility approaching to inordinary courses of general instruction, the agreement in fact and essence. Under the tempt. So it is in respect of mind, greatest difficulty of which we have heard simple forms of geometrical reasoning these In all cases, however, it must be kept in

ance will terminate in something akin to selfreproach for the absurd imaginations of foriect, and AB the predicate of the minor premer days.

AB is the subject, and AC the predicate
fore alluded. Let us make a passing remark

(h.) "Also AC is the major term, BC the

mal logic, by referring the student at once to employed; yet as a clear conception of the than it was convenient to them to mean by

tions of Logic;" in which the fundamental principles of the "art of reasoning" are laid down with much clearness and precision, and with direct reference to the use of logic in the exact sciences.

To the student who can seize the spirit of geometrical investigaterm; and though possibly in some respects, other works (on the same model, however,) tage consulted, yet we know of no one, not even that of Legendre, which, taken as a of them has a known, a given, or a determination is composed—they perceivhole, would be so safe a guide to him.

There can be no doubt that some degree familiarity with the terms, and with the try, which every one whom we now address possesses, will place our student in a more advantageous position for the commencement the scholastic ages, which tended to bring the bladders," or "the corks," or else be doomed of a course of rational geometry, than if he Aristotelian logic inte contempt, have turned to a progress so slow in their aquatic feats, were entirely ignorant of them. In fact, in upon the substitution of verbal agreement for as to disgust or dishearten them with the at-

teachers of mathematics complain, is, the inadequate knowledge of the ordinary terms of
geometry, which is furnished from the prelither "dabble in the mysteries of the Oxford
agree, one in one particular part, and the minary books in use for children—nay, in logic," than as it strictly applies in geometry. other in another, with the conclusion so demost cases, the erroneous notions which such We quote, however, one brief passage from duced. One of these may be (and in one step most cases, the erroneous notions which such books convey to the young mind. Condsiderable time is thus lost in acquiring correct we have already referred in a review a few sis admitted of the existence of the figure notions of the very objects with which geometry is conversant, in all general schools; as these are only collected by repeated efforts propositions, of which two are called the prespoken of; the other must be some previoustain first truths (one at least) admitted, as in-(b.) "These propositions [among them] dependent of all formal reasoning. inconvenience is escaped by the preliminary mechanical practice in geometrical construction, and by the suggestions which that practice, and the middle term which constitute Euclid's first seven, and his ninth, tice inevitably forces upon the mind. Neither nects the predicate and conclusion together. have been reduced by the Greek geometers (c.) "The subject of the conclusion is to the smallest possible number. Attempts, called the minor, and the predicate of the con- indeed, have been often made to repose the we abate, of course, the railway mania of the clusion is called the major term, of the syllo- superstructure of geometry on definitions alone; and to effect this the eighth and tenth (d.) "The major term appears in one pre- of Euclid's axioms have been treated as disare calculated to open an opportunity for cul-tivating with distinguished success. We as-the middle term which is in both premises. straight line—while almost as many essays sume, and we consider that we assume it on (e) "That premis which contains the mid- have been made to give a demonstration of good grounds, that the profession is stocked die term and major term, is called the major the twelfth axiom as to "square the circle," with students whose talents considerably expremis; and that which contains the middle or "double the cube." For men of learned ceed the average amount of that which exists term and minor term, is called the minor preble; with us "practical men," they would be made our appeal to them; and we feel convinced that they will pay that deference to the syllogism in the demonstration of prop. 1, as to think; and all our thoughts must be long experience and observation which has book I, wherein it will be seen that the middle given to the most efficient modes of acting dictated our present series of notes, so far as term is the subject of the major primis and Moreover, while all ingenious speculation of this kind has signally failed in either simpli-"Major premis.—Because the straight line fying the principles, or rendering the reasoning more concise, we may safely take the

upon this.

The Greeks had no "classic language" from which to borrow their scientific terms, We do by no means insist upon the abso- They took the ordinary terms of their langism. We are happy in being able to avoid lute necessity of "getting up" even this amount guage, which generally signified something entering into any details concerning the fordid not enter into the geometrical conception may be made of them singly and successive ded the meeting, not as a scripholder, but as then under view. This negative form of definition, therefore, in respect of familiar terms, greatly prevailed over the descriptive form of definition; and we have found ourselves in required to use, are three. These are, to resolutions the meeting might come to, and exactly the same predicament respecting draw a line through two given points; to produce the same to the committee many of the terms which we have translated instead of having adopted as technicals. For instance, the word tonia (which having any given centre and any given radiinstance, the word tonia (which having as its instance, the word tonia (which having as its instance). The same principle runs through this been called in consequence of a corresponding to the same to the committee in Canada.

The chairman then said, the meeting had been called in consequence of a corresponding to the same to the committee in Canada. perfect Latin, the word angulus,) signifies the corner of anything, as of a room, or of a field; but in order fully to restrict the term to its geometrical sense, Euclid excludes all to which we may apply those instruments.

of space itself. We acquire, by the use of second and third propositions is greater than London recommending a dissolution of the our organs of sensation, (sight and touch) the occurs in any future case throughout the enconception of magnitude. In magnitudes tire elements. By this, however, is avoided return of the deposits. To this communicaactually seen or actually felt we really become the use of a tourth axiom, such as-let it be tion he had received a reply that the directors conversant only with surface. The idea of granted, that from a given point in a given had no power to return the deposits, except volume, or space of three dimensions, is, in straight line, a part may be cut off which is with the concurrence of the directors in Catruth, the result of inference made by our-equal to a given straight line. In fact, inselves; but so inevitably is this inference stead of constructing and proving the con-made, that our mines are more intensely im-struction of the third proposition, assuming it to raise by an issue of 10,000 shares in Engmade, that our mines are more intensely impressed with this idea of figured space, than as a thing which can be done. As the stuland and 2,000 in Canada, which amount was with any more abstract one, even than with dent proceeds, however, he will see the sys afterwards altered to 7,000 in England and the ideas from which the inference was itself tematic advantage that results from the greatmade. This probably arises in a degree from est possible reduction in the number of our the added suggestions of the sensible qualities first principles, whether constructive or deof the matter which occupy space; but it is monstrative, much more clearly than any of no importance, on this occasion, to pursue statement of ours could render them at prethe investigation of such a question further. sent to his mind.

It is sufficient for us to remark, that however the idea of space may be gained we have it is called, or speaking (technically) the reyet the power of abstracting our thoughts ductio ad absurdam, appears to us to be nefrom one set of its qualities, and of confining cessary; as well as on one or two other colour attention to any other of its qualities.— lateral topics. We hope to be able to dispose ted as being only in course of payment; but by the latest accounts, it appeared that the concerning, length without breadth, and of which we shall devote a few pages to the exdeed had been signed by English holders for both without thickness, and of position with-out either length, breadth or thickness. We metrical subjects which have the most direct cember last, the directors assured the public do not in such cases allege that there can ac reference to professional utility. tually exist in a sensible condition a surface which is not the surface of some body, or a line which is not the boundary of some surfor the purposes of illustration, are really free seems to be far from true. The Atlantic and St. from the other qualities of magnitude. We Lawrence co., which is to build the portion of the merely restrict our meaning, by those defini-tions, to be such as we describe; and to the ideas so restricted our reasonings and their conclusions alone apply. Nor, after all, is this peculiar to science; for it perpetually, and almost as perpetually, occurs in our ordinary descriptions of things. When we speak of the height of a man, or or a column, we quite as completely leave out of our thoughts the corpulency of the man, or the diameter of the column, as we dron the condiameter of the column, as we drop the consideration of the breadth of a line in pure alma mater by the celebrated Playfair. "You have all heard, gentlemen, I date say, how many miles it is to London; but has it ever occurred to any of you all committee in England had signed the deed and committee in England had signed the deed

those terms. The forms of their definitions were therefore, in many cases, merely restrictive from the general idea which was attached postulations. These, instead of describing of Bishop and Coxe, the English solicitors of to the words of the accidental qualities which the ruler and compasses, and the uses which the company, begged to state that he attenother considerations by limiting it to signify Euclid also employs the smallest possible but since the time of those present was valuathe inclination of two lines to one another number of these postulates; which, in some ble, perhaps it would be better to detail only the "opening between them," as it is case does indeed add slightly to the complex the substance of that correspondence. There sometimes familiarly expressed among our-ity of a construction and its demonstration. being no prospect of the undertaking being It is just thus with respect to the definitions set; for the addition which it makes in the capital, he had written to the directors in

A few remarks on the "indirect proof," as

St. Lawrence and Atlantic Railway.

We had thought that the St. Lawrence and At face, or a point which is not the extremity of lantic railroad co. had been fully organized, and some line; nor do we allege that the surfaces, commenced operations; from the following account lines or points which we exhibit to the senses of the proceedings of the English stockholders, this

Unfortunately, too, this is felt in the very out carried out by the payment up of the requisite nada. The capital originally contemplated understood, were allotted when there was a railway fever in the money market; but notwithstanding, out of the whole, only 2,633 were paid upon—leaving 4,367 not responded to. From a report of the directors on the 6th January last, it appeared that 2,367 shares had been subscribed for in Canada, but how many of these had been paid upon was not stated, as the deposits were representhat their confidence in the undertaking was strengthened, and again, "that they had every reason to be gratified with the prospects of the company's affairs." Now, in the opinion of the majority of the English holders, there was no prospect of any further number of shares being taken up, nor was there even any disposition to pay a second call on those which had already been taken up; and there-fore they desired to receive back their deposits. The proceedings of the present meeting would be very simple. He believed all the scripholders were of one mind; at any rate, out of 530 shares held by those who had signed the deed, the holders of 365 were anxious that the affairs of the company should

A gentleman present asked Mr. Bishop

collaterally to a very great extent in the com-pany. They were also united with the Bri-Mr. Bishop thought the expenses tish American land company, which company held a large interest in the present railway undertaking. Perhaps it would be satisfactory if he were to state a few particulars bearding on the object of the present meeting. So early as December he had received an application from a large holder of shares in the also further objected, that the question of the company, urging a return of the deposit meeting. company, urging a return of the deposit moa case was drawn up and submitted for the in Canada; in fact, they were acting under a scarcely read that correspondence, but wished the meeting to understand that he had made every representation-a very strong representation indeed-of the altered state of the money market in England, and of the improbability of any further shares being taken up in this country. In a letter which he had received, he was informed that the total number of shares taken up exceeded 6,126. As far as the question before the meeting was concerned, he believed that it was impossible for the directors in England to comply with the wishes expressed in the advertisement. He might state, for the satisfaction of the English holders, that the money raised in England was safe in England, and that it was the intention of the directors here to hold it safe. (Hear, hear.)

June and January. But just as the term expired, they found Canada taking up shares just to save the powers of the act. He assumed that there was no chance of the capital being raised in Canada.

Mr. Bishop thought the chairman would be very wrong in assuming any such thing. From a private letter which he had received from Mr. Galt, who had just returned from the States, he received a very different ac-

small, that if the parties would put themselves ton's boiler .- Titmarsh's Cairo. in the first place in "a legal position," the payment of those expenses would form no

ney; and in consequence of that application, in England was not put fairly in the prosthe deposits, and that in fact they were acting rally considered they were dealing with pro- opened to our citizens .- Jour. Com. strictly and simply as the agents of the board visional committeemen, having a joint autho-

> Mr. Bishop advised the scripholders, as the best and only course which they could adopt, to send out their proxy papers to Canada, if they desired to have an influence with the board. Whatever resolutions the present meeting might come to, he should be perfectly ready to transmit to Canada, together with any representations they might consider desirable, to make; and he might here state the willingness of the English board of directors to carry out the wishes of the English proprietary.

> A resolution was at length come to that the directors were bound to return the deposits on the English portion of the shares.

The meeting then separated.

The chairman would like to know what boat touches the shore adventure retreats into number of shares was paid upon in Canada. the interior, and what is called romance va- 000 giving a dividend of 12 per cent, upon a By the terms of the act of incorporation, it nishes. It won't bear the vulgar gaze; or ra- capital of \$800,000. We see it stated that the were not paid upon by a certain time, the act should die a natural death. The prospectus was issued in June last, and it was therein stated that 2000 shares had been subscribed for in Canada; and it had since been stated that certain time, the light of common day puts it out, and it is only in the dark that it shines at all.—
There is no cursing and insulting of Giaours now. If a cockney looks or behaves in a particular rediculous way, the little Tools that 2000 shares had been subscribed for in Canada; and it had since been stated that the control of the certain time, the act it is only in the dark that it shines at all.—

There is no cursing and insulting of Giaours now. If a cockney looks or behaves in a particular rediculous way, the little Tools of the certain time, the act it is only in the dark that it shines at all.—

In the prospectus of the country of the control of the certain time, the act it is only in the dark that it shines at all.—

In the prospectus of the country of the certain time, the act it is only in the dark that it shines at all.—

In the country of the certain time, the act it is only in the dark that it shines at all.—

In the country of the certain time, the act it is only in the dark that it shines at all.—

In the country of the capital of \$800,000. We see it stated that the iron for its second track is being procured from the Mount Savage iron works in Mary-land, and that it is considered superior to the country of the co for in Canada; and it had since been stated come out and laugh at him. A Londoner is that on the 6th January last 2367 shares had no longer spittoon for true believers: and heen subscribed for—only 367 shares between now that dark Hassan sits in a divan and But just as the term exdrinks champagne, and Selim has a French of \$76 1-2 per ton.—Boston Post. anada taking up shares watch, and Zuleikha perhaps takes Morri-2,500 laborers are at work on the son's pills, Byronism becomes absurd instead of sublime, and is only a foolish expression of cockney wonder. They still occasionly beat a man for going into a mosque, but this pleted in less than two years. is almost the only sign of ferocious vitality left in the Turk of the Meditterranean coast, strangers may enter scores of mosques without molestation. The paddle wheel is the great conqueror. Wherever the captain cries great conqueror. stop her!" civilization stops and lands in The chairman remarked that the expenses the ship's boat, and makes a permanent acspread over the English shares, would quaintance with the savages on shore. Whole if spread over the English shares, would quaintance with the savages on shore. Whole amount to 6s. a share; but if over 7000 shares, hosts of crusaders have passed and died, and would only amount to 2s. 6d. a share. It butchered here in vain. But to manufacture appeared that a very large number of shares European iron into pikes and helmets was had been cancelled, which was an injustice a waste of metal: in the shape of piston-rods to the holders who had paid up; but even and furnace pokers it is irresistible; and I new the scripholders would be glad to receive think an allegory might be made showing

yet the directors generally were interested back their deposits, minus the expenses. It how much stronger commerce is than chivalry, and finishing with a grand image of Ma-Mr. Bishop thought the expenses were so homet's crescent being extinguished in Ful-

Miscellaneous Items.

also further objected, that the question of the road. The superiods of the simple agency of the provisional committee more especially of our eastern roads, proves in England was not put fairly in the prospectus of the company. It was true that the charge to White Plains is \$90 per annum, the charge to White Plains is \$90 per annum, opinion of the solicitor general and Mr. Mr. Galt was therein represented as the agent though somewhat more in proportion for part of the Canadian board, but the form of the edly of opinion that the provisional committed the here had no authority or power to return "provisional committee." The public nature the charge to White Plains is \$30 per annum, the charge to White Plains

Mohawk and Hudson Railroad.-The rerity, and not acting as attorney or agents only. ceipts of the Mohawk and Hudson railroad power of attorney. He, Mr. Bishop, had a correspondence with the Canadian board on the subject. He thought he need discuss, considerable, and uniform. The earnings for the week ending 21st June were:

Passengers, Freight,	\$2,008 1 121 2	
Total,	\$2,129 4 ur, 1,803 6	1
Increase in 1846	995 7	-

The wharves of Philadelphia have seldom been so densely crowded with vessels as during the past week.

Boston and Worcester Railroad.-The receipts of income of the Boston and Worcester railroad in the six months ending May 31, amounted to \$247,785. The directors have ordered a dividend of 4 per cent., payable July 1.

The meeting then separated.

The earnings of the Concord railroad, for the last year were \$228,000—being \$46,000 more than the year before. The expenses were \$135,000 and the net earnings \$93,-

> We learn that a contract has been made by the directors of this corporation for iron sufficient to lay 14 miles of their track, be-tween Fitchburgh and Athol, at the low rate

> 2,500 laborers are at work on the line of the Vermont Central railroad, and 1,000 more are wanted. The Boston Courier says the entire road from Windsor to Burlington will be com-

Central Railroad.—The receipts of this road for the month of May, 1846, are as follows:

For freight, - - \$18,572 42 From passengers - 14,346 42-\$32,918 85 Received in the corresponding May, 1845: For freight, - \$6,736 00 For freight, -From passengers, - 8,888 55 This road has received since last 8,888 55--\$15,624 55 report (December 1st, 1845, to May 31st, 1846,) -Amount received in the corres-131,979 41

ponding time, ending May 31st, 1845, 56,552 24 Our railroad still continues to speak for itself. The receipts of the last month are more than double those in the corresponding month last year! Will our Boston friends look at this statement?—Detroit Adv.

June in each of the years 1845 and 1846.

They are as follows:—Albany Argus.

1845. 1846. increase decrease April 3d week...\$146,235 \$113,713 \$32,55

The Railroad.—We are requested to say that a meeting of the Nashville and Chattanoga railroad commissioners will be held on Saturday evening next, at 4 o'clock, P. M.—The members of the board are specially desired to be in attendance.

It gives us pleasure to state that Mr. Stevenson has returned from his visit to Georgia and South Carolina, having succeeded in pro-curing the services of Mr. Thompson, an engineer of high character, in the proposed survey of the route. Mr. Thompson has been engaged for many years in constructing rail-roads in the south, and is in every respect qualified to make a reliable survey and esti-

be completed to that point during the present year. This insures the construction of the road to the Tennessee river at Chattanooga and makes it important that the work from Nashville to Chattanooga should be prosecuted with view. The people in Georgia and the road to the Tennessee river at Chattanooga should be prosecuted with view. The people in Georgia and the road to the Tennessee river at Chattanooga should be prosecuted in the most appropriate the road will be en erected at Danville, in this state, by Sam'l munerating prices, western produce to our south Atlantic markets. Enterprize and confidence is all that is necessary; and if our southern cities, with and makes it important that the work from Nashville to Chattanooga should be prosecuted with view. The people in Georgia and ted with vigor. The people in Georgia and South Carolina feel a lively interest in our enterprize, and will be found co-operating in the proper spirit.—Nashville Union.

Erie Canal and Western Railroad.—The great state work of Massachusetts has frequently been compared to that of New York and improving the property of the common-wealth. The analogy of the receipts in the two cases for the first five years, is rather im-

tolls on all the New York state canals, during the m the third week in June, is, - \$88,547 Same period in 1845, -63,222

Difference, -- \$25,325 third week in June inclusive, is

Same period in 1845, Difference.

The receipts during the month of April of the present year, compared with 1845, show a diminution of \$80,871, and from the 1st of May to the third week in June, compared with the same period of the past year, show an excess of \$141,002, the average increase being over \$20,000 per week.—Albany, Evening, Jour-

Canal Tolls.-We have procured from the canal department, a statement of the tolls collected on the canals of the state to the 14th

۱	(20) MAG		No.		1845.	1846. in	crease. de	ecrease.
	April	13d	weel	k	146,235	\$113,713		\$32,522
	- 66	4th	. 41		114,614	66,265		48,349
	May	1st	46		85,988	97,511	\$11,523	MIGHT S
9	14	2d	6 44	1.0	79,730	100,184	20,454	at here
	- 44	3d	1 186		89,276	105,070	15,794	
	- 64	4th	1 11		92,220	116,016	23,796	
	June	1st	- 41		65,209	88,556	23,347	
	a	2d	. 11		62,767	83,530	20,763	

\$736,039 \$770,845 \$115,677 \$80,87. 736,039 80,671

Increase in 1846 \$34,806 \$34,806

mate. We understand that he is now on his igan, was made at the Union furnace lately way to Nashville, making a horseback examination of the country, preparatory to entering from two to three tons pig iron per day, and

> it is said to be constructed in the most approved manner, with 15 feet boshes, and will produce from 100 to 120 tons of pig iron every

The Frederick Herald says-

We learn that the wealthy and enterprising proprietors of "THE FALL RIVER IRON WORKS, Massachusetts, are about to transfer a por tion of their wealth and enterprize within the

The same individuals, or company, we were informed when recently in the District of Co-1828.. \$38,000...1845.. 2,620,000...1845.. \$913,478 tallinda, had also parenased a valuable series of the series of the manufacture of iron in some of its brantalle an all the New York state capals, during

Copper Boat .- At the national fair there is a specimen of a copper boat from the Novelty works at New York. This boat is 23 feet The aggregate amount received for tolls long, 5 feet wide, and made of four sheets of from the commencement of navigation to the copper, stamped in 40 minutes to its present third week in June inclusive, is \$859,393 shape by powerful machinery. It is impossi-\$859,393 snape by powerful machinery. It is impossi799,261 ble for any number of persons to sink her—her
strength is four-fold greater than wood boats.

It requires one-third less power to propel to the
April of
April of
same speed as wood. The copper after any
number of years' wear, will sell for three-fourths
the first cost. The weight is not absorbed—no than wood, and the water is not absorbed-no caulking, trenailing, or painting is needed .-Gigs, cutters, barges, quarter, race, row, club, and ducking boats, from 10 feet to 60 feet, made of copper or iron, without seams; they are made in four pieces. The strength has been fully tested by dashing them on the rocks, and running against stone piers. They can-not leak or sink.

at Lille, and return in the evening, if necessity ry. Those who have more time at their disposal, will proceed the next day to Brussels, where an entertainment will be provided by the city. The railway from Paris to Sceaux is to be opened on Wednesday next.

Great Capacity of Railroads for Business.—The Reading railroad, which is 92 miles in length, transported in the year 1845, 800,000 tons of coal; and in the single month of July last, 104,000 tons. The business for the year 1846 is estimated at 1,220,000 tons, which is equivalent to 7,500,000 bales of cotton, more than three times the entire crop of the United States.—If a like amount of up freight is performed, and which might have been done, as the care returned empty, we have an example of a rail. First Cast Iron in Michigan.—A correspondent of the Jackson Patriot, writing from Union city, under date of June 4, says that the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michigan.—A correspondent of the Jackson Patriot, writing from the first cast iron ever manufactured in Michiga 5,000 ships of 500 tons each, performing two voyaMa St. Ste Mi Noo Ta Sul Ma Inss The Lal Atm

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mate. We understand that he is now on his way to Nashville, making a horseback examination of the country, preparatory to entering regularly on the work. He is expected to reach Nashville in a few days.

Mr. Stevenson informs us that the Western and Atlantic road has been put under contract to Cross Plains, which is within 25 miles of Chattanooga, and that the road will make a renable survey and test of 1 cent per ton per miles of 5,000 ships of 500 tons each, performed ingan, was made at the Union furnace lately fere to the Friday preceding. The company it is said, are now casting from two to three tons pig iron per day, and the iron is believed by judges to be of excellent quality, and the ore, the product of that state, abundant.

Another large iron iron furnace has been receted at Danville, in this state, by Sam'l in the iron is defined at the rate of 1 cent per ton per miles—one-half of which is shown to be profit. At the same freight, a bale of cotton may be brought from the Tennessee valley, north Alabama, at 50 cents a bale. Who can with this exhibit, doubt the capacity of railways competing successfully to transport, at remarks the contract to Cross Plains, which is within 25 miles—of Chattanooga, and that the road will

Lexington Railroad.—The grading of this road is nearly completed, and every thing is now ready for laying the rails. In fact, a large portion of the road has been ready for the iron for some weeks .- Bunker Hill Aurora.

Macon and Western Railroad .- The Macon (Ga.) Advertiser of the 15th inst., says—"We learn that this road is nearly completed to Forsyth, and it is in contemplation to run the 'Ker Boyce,' (a new car which arrived here a few days since from Savannah,) from this city to Griffin, on the 4th of July next. Several other cars for this road have recently nextly arrived at Savannah, from the north, and the tion of their wealth and enterprize within the borders of our own state, they having, as we learn, recently purchased a large and valuable property near Frostburg, Allegheny co., where they contemplate extensive mining operations forthwith.

The same individuals or company, we were completed to Atlanta about the 1st of September, or sooner if possible, in order to secure the fall trade and travel. Success to the enterprize."

We announced on Saturday, that by the recent action of the Connecticut legislature, the route for the New York and Boston railroad is completed, so far as legislation is concerned, from the city of New York to the Rhode Island line, within fifteen miles of Woonsocket. We are informed that the advo-cates of said route have adopted the Pettee route, from Woonsocket to Boston, as the Massachusetts section of their line.—Boston Atlas.

The Cumberland Civilian says that the Chesapeake and Ohio canal company have obtained funds sufficient to complete their work, and that operations will be speedily resumed on the entire length of the unfinished portion.

Dwidend.—The Paterson and Hudson river rail-road company have declared a dividend of three and a half per cent. for the last six months, payable on the 1st of July.

Western Railroad .- The receipts of last week, be-Western Rairoad.—The receipts of last week being the first under the new arrangement of the trains exhibited a gain of \$7,000 over the corresponding week in 1845, being within a thousand dollars of the largest amount in any one week since the opening of the road, viz: in August, 1844, the week of the great while convention at Springfield.—Spring-

Paris correspondence of the Boston Atlas.

The Ogdensburg Railroad.—At a meeting of the directors of the Ogdensburg railroad, held in this city on Tuesday, Col. Chas. L. Schlatter was choisen chief engineer. Col. Schlatter was for several ris in the morning, breakfast at Amiens, dine Boston Adv.

^{*} The increase on the Western road thus far, in 1846, is over 20 per cent., giving \$70,000 for the first six months, and being at the rate of \$163,000 for the year, making the total, as above \$976,000. The expenses to the present time have not increased.—

PRINCIPAL CONTENTS.

Mathematics as a branch of professional study	421
St. Lawrence and Atlantic railway	422
Steam and romance	423
Miscellaneous items	423
Notice to contractors	425
Taste in depots and railway structures	425
Suburban railway villages	
Macon and Western railroad	
Institution of civil engineers	428
The atmospheric system	
Labor on railways	
Atmospheric railways	
A card—to the citizens of New York	

AMERICAN RAILROAD JOURNAL.

PUBLISHED BY D. K. MINOR, 23 Chambers street, N.Y.

Saturday, July 4, 1846.

NOTICE TO CONTRACTORS-SEALED RAILROAD across the Wateree River Swamp, distance to be piled three and three-quarter miles.

cured; and an Assistant Engineer will be at Stateburg, to show the line to those interested.

For the convenience of those who cannot visit

one end of the work, or at different points along the

The work to be commenced at latest on 1st No-

of the company, will be required to accompany their proposals with reference as to character and ability to perform the work, and if necessary to give good security.

Proposals will also be received at the same time, for the construction of a bridge across the Wateree River, upon "Burr's" plan, 200 feet in length, and spans not exceeding 100 feet in length, with a sliding draw of fifty feet opening. JOHN M'RAE, 227 Engineer Camden Road.

THE RAILROAD JOURNAL will hereafter be published simultaneously in New York and Phil-ADELPHIA. The editorial department will as heretofore, be under thr direction of the subscriber, aided by his former associate Mr. George C. Schaeffer, and other gentlemen of ability connected with the profession-and renewed efforts will be made to render it more worthy of the rapidly increasing support which it is now receiving.

Engravings and illustrations will be more frequently given, and expensive maps will be occasionally prepared, showing the progress of the railway system, one of which, showing the proposed route of steam communication from China, across the isthmus, and through the United States, to England, by Edward McGeachy, Esq., of Jamaica, is now in the hands of the artist, and will be ready in a few weeks; and others will follow.

who is authorized to transact business for me.

and periodicals may be hereafter addressed to

D. K. MINOR.

street, Philadelphia. He will be found at home.

church yards, public squares, gentlemen's country men of the Volcanic order. seats, etc.—renders it needful that some attention Car houses, however, are should be paid to the taste, or rather want of taste, selected to display the carpentar's skill in constructdisplayed in many instances, in the most conspicuous situations which could have been chosen.

be called.

whatever us abstract.

The piles are expected to be driven by a steam engine, and the company may take one machine off the contractor's hands on the completion of the work, for a car house—of the Pantheon for a machine shop of the Lantern of Demosthenes for a wawhatever its abstract elegance may be, strikes the taste and skill are required. Persons desirous of undertaking the above work, for a car house—of the Pantheon for a machine shop who may be unknown to the Engineer or Directors—or even of the Lantern of Demosthenes for a warren not unfit theatres for the engineer of Directors. ter station, would be supremely ridiculous-and yet similar absurdities are not uncommon.

We contend that no railroad building is in good taste, that is manifestly unfit for the use for which it is intended-either by reason of improper materials or unsuitable form. Next we assert that every building which is evidently fit, both in form and materials, for the purpose intended, may with very little if any additional outlay, be made pre-eminently a depot and its buildings should be. In England, an object capable of giving pleasure to a person of cultivated taste.

shop, or engine house—a place begrimed with smoke and grease, with the least possible pretensions to dirty and ugly ones upon the beauty, yet a real temple of Vulcan. This building should not be constructed after the model of a church, for it is intended for other and totally different purposes-nor should it be quite like the Parthenon, as it be built of wood, for this would be an unsafe maheight, with suitable outlets for smoke at top-the hints worthy of attention in our own country. chimney should rise so far above the roof as to give If our lower classes are not so badly off as the a good draft-the door large, with curved or pointed poor wretches in the larger towns of England, they outline at top-the moulding over them project- are at least as much disposed to get fresh air, and a The office in New York will remain for the ing to guard the ends of the wood from the country residence near enough to the city to obtain resent, at 23 Chambers street, and be in charge of weather-if opening outwards, for a similar reason, much of their support from labor in or near it-Mr. Egbert Hedge, long connected with the work-they might fit into a recess in the wall. The roof moreover they are far more able to pay; and the The office in Philadelphia will be at the to protect the wall from the effects of undue mois be a much better operation in this country than in FRANKLIN HOUSE, 105 Chestnut street, under the di- ture. The bare stone or brick wall would be liable England, as far as profit is concerned.

Correspondents will ablige us by sending in their rection of the editor and proprietor, where all letters to injury; a coating of plaster or rougheast would ammunications by Tuesday morning at latest. and communications by mail, and all exchange papers prevent this, and the color should be rather sombre, so as not to soil too readily. We have already the elements of taste in the expression of fitness-let the The editor of the Railroad Journal presents proportions be good—the arches over the door gracehis compliments to his numerous subscribers and ful [and this costs nothing]—let the chimney rise friends and assures them that he will be always from the roof in any one of the thousand forms now gratified to see them at his new office and home, the so commonly to be found, and with neat or rather Franklin House, late Sanderson's, 105 Chestnut severely simple mouldings, we have a building quite fit for the purpose intended, and by no means displeasing to the eye. Do we wish for ornament, Taste in Depots and Railway Structures. let us add for upper windows, or air holes, a few The rapid spread of the railway system-the ob- wheels built into the wall-sheet iron doors, with trusiveness with which the railroad insinuates itself rivets, etc.,—cast iron columns and an iron smoke into villages and cities-moving through, or by, stack for a chimney, etc, -and behold a fair speci-

Car houses, however, are the buildings generally ing unsightly and easily combustible ornament. It would consume too much time were we to enter into Now we hear some economical directors exclaim, all the details belonging to their construction. It is proposals will be received at the office of the South Carolina Railroad Company until the 15th July, 1846, for the construction of the PILE or TRESTLE WORK; on the CAMDEN BRANCH are not bound to make decent looking buildings: it for the crowd at arrival and starting, protection from is all nonsense to pretend to exhibit taste in railroads." the weather and from hackmen, and guarded strict-We state the objection at once, because we know ly against the possibility of accident to persons in Plans and profiles will be exhibited on and after the state the objection at once, because we know by against the possibility of accident to persons in and around the cars. The occurrence of fire should lina, where the requisite information may be problemant of the property of the prop ded for immediate extinction. These are some of In the first place to disarm such opponents, we the more evident requirements, no provision for For the convenience of those who cannot visit

S. Carolina at this season, a profile may be seen at the office of the Railroad Journal, New York.

The timber will be furnished by the company at persons; and in the next place we advocate no exlatitude, that it would be useless to insist upon any travagance or imprudent outlay of money. In ar- one plan, as thousands might be contrived, each chitecture, as in other matters, good taste is never having its peculiarities adapted to some particular vember, and to be completed ready for the rails in far from utility—nothing is in good taste, which case. It is here that something like architectural

> The arrangement of depots is properly noticed under this head. The first requisite is neatness and are not unfit theatres for the enactment of Dickens' scene of the ghosts of stage coaches, or rather railway cars. Old smoke stacks, broken wheels, burnt, smashed or discarded cars, heaps of cinders and oiled rags, fill up the larger space in such places. Decency at least forbids such displays, and the comfort of passengers is not to be neglected.

There are not wanting in the United States, we are happy to say, some excellent examples of what as far as we can judge from published designs, much taste is shown in such matters-but that there is Let us take, as an illustration of this, a machine room for improvement no one will doubt who has seen the gaudy buildings upon the -- road, the - road, and the no buildings upon the -- road.

Our readers will remember the proposal of railway villages as a means of improving the conthis would be an inconvenient form-neither should dition of the poorer classes of the community, which we gave from an English journal, some time since. terial-nor should it be painted white, nor any light We find another article upon the same subject, color, for this would soon become soiled and dirty. which, although bearing more particular reference The building should be of stone or brick, of sufficient to the miserably poor of England, will yet give many

would require to project both at the eaves and gables transit of large numbers at a very low price would

Suburban railway villages, the best remedy cipal difficulty is the expense which the la-over, churches, chapels, cemetries, literary

comotion are not only largely promoting the general convenience and prosperity of trade, but, by the chapness of fare, and the facilities of transit from one locality to another, are also extensively contributing to the enjoyment and healthy recreation of the toiling per annum, which, in addition to the rent, There is no reason why it should not be exdenizens of our great manufacturing towns would not amount to more than the working tended to the various lines at present branch-Yet, with all the disadvantages attendant on man usually pays for his miserable apart-ing from the metropolis. In the rural and railway enterprize—the enlargement of towns ments; and at the same time it would probathinly populated localities bordering on the —the prosperity of the inhabitants—the rapid bly be sufficient to remunerate the company Southwestern, the Great Western, the Birconveyance of all the necessaries of life—and for their capital and outlay, on account of the mingham and the Eastern Counties, there is the ever-extending operations of social inter- regularity and certainty of the returns. Thus ample scope and opportunity for the erection community—still it is exposed to fearful draw-backs, if not closely watched, and its opera-pense incurred by the occupants of these sub-and conveniences of life, with a free and sations wisely controlled or judiciously directed. urban tenements in their daily journeys, would lubrious atmosphere, might be afforded at a Like every great public good, it has its bane; be found to be more imaginary than real.

but fortunately that bane has its artidote, which the directing hand of the statesman, or he wisd om of the legislature may apply.

be found to be more imaginary than real.

It is satisfactory to learn, as some confirmation of the correctness of these views, that through the agency of the six arterial railhe wisd om of the legislature may apply:

to increase the trade and commerce, and consequently the population of all our large towns, where the termini of various lines will be feasibility of the preceding plan. At a late meeting he strong towns, where the termini of various lines will be feasibility of the preceding plan. At a late meeting he strong by recommended it to the attention of the probe formed. The aggregated masses of the prietors, and stated that a society had been would not be debased by association with the laboring community in the confined localities formed for the purpose of affording the workof towns, attended as they are by general depravity, disease and misery, has ever been the promoters of which had made overtures pravity, disease and misery, has ever been the promoters of which had made overtures considered the greatest bane of England's to the board for the use of the Croydon rail- some of the details; but perseverance and an manufacturing prosperity; and unfortunately way, in order to carry their scheme into opethe evil has hitherto been left to itself, without any effective measures being ever attempted for obviating the nuis nee. Although the royal commission for inquiring into the san-atory condition of our populous towns has filled tremendous tomes with evidences of the melancholy facts, nothing effective has been ements, to be paid to the company, whether commission, which has been appointed to done. The evils of over crowded population the trains or the houses were full or empty, take into consideration the metropolitan termoreover, are likely to be increased by the or whether the inhabitants availed themselves mini of the different converging lines, will operations and effects of the railway system, of the line or not. Mr. Wilkinson, at the devote some attention to this very important if the antidote, or panacea, be not timely administered. This antidote, to be effectual, must be the entire sweeping away of the cheap as goods: that "they might carry filthy dens of poverty and crime with which live at as cheap a rate as inanimate lumber, lous towns. A more glorious opportunities and the property and crime with which live at as cheap a rate as inanimate lumber, lous towns. A more glorious opportunities and the property and crime with which live at as cheap a rate as inanimate lumber, lous towns. A more glorious opportunities and the property and crime with which live at as cheap a rate as inanimate lumber, lous towns. A more glorious opportunities and the property and crime with which live at as cheap a rate as inanimate lumber, lous towns. A more glorious opportunities and the property and crime with which live at as cheap a rate as inanimate lumber, lous towns. A more glorious opportunities and the property and crime with which live at as cheap a rate as inanimate lumber, lous towns. A more glorious opportunities and the property and crime with which live at as cheap a rate as inanimate lumber, lous towns. our large towns are infested, and erecting viz: at 2d. per ton per mile, fifteen persons for improving the physical condition, and electron to the suburban districts weighing about a ton." Thus it would aptended it was a cheap a tace of the persons are infested, and erecting viz: at 2d. per ton per mile, fifteen persons for improving the physical condition, and electronic to the suburban districts weighing about a ton." Thus it would aptended it is a classes of the metropolis, never presented its classes of the metropolis ways run. By due economy in the erection from London bridge, might each be conveyed self to the mind of the philanthropist or the of these villages, and the lowest fare which to and fro daily, in less time than one quarter wisdom of the statesman. Now is the fitting the company can afford, these residences may come within the scope of the laboring classes; or £1 6s. a year. This is a most astounding the sites previously occupied by their own miserable dwellings may be converted into agreeable and healthy localities. The subject is well worthy the consideration of eration of the human race.

the royal commission which has been just. The plan for erecting these suburban vilformed for taking into consideration the vari- lages appears to have originated from an as- ded localities that remain; and this in truth

for the evils of an overcrowded town popu-borer or artizan would incur by the cost of institutions, baths, gas and water companies, lation.—By P. Austin Nuttall, L. L. D. daily conveyance. To men engaged in busi- sewers, etc., are to be added for the use, in-The mighty changes which the railway system of this gr at empire is likely to produce in society, are daily becoming more evident. Its advantages, more especially to the industrious classes, are rapidly developing themselves. The powers of accelerated lones to compute the lowest cost at which they will contain 3.500 inhabitants, the whole could convert a compute the lowest cost at which they will contain 3.500 inhabitants, the whole could convert a compute the lowest cost at which they will contain 3.500 inhabitants, the whole

wisd om of the legislature may apply:

"The bane and antidote now lie before us."

It is the very nature of the railway system of benevolence which does honor to his feel-

ous metropolitan termini now in contemplasociation forming by Mr. Moffatt, to be named
tion, and which the spirit of the times abso
"The National Philanthropic Investment
sery.

Society." The proposed average rent of the

We have now the opportunity for diffusing That the erection of these villages would houses is to be £10 per annum; and each the concentrated masses of a debilitated and

But this measure, if found successful, must

to render the unfortunate denizens still more wretched, by driving them into the overcrow-

be productive of remuneration to the respective companies is unquestionable. The prin-conveniences reduced for a family. More-sion of district, and thus imparting health and

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The editor says:

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using d and xtenh and are, at this time, many other great emporiums extension of boundaries, has naturally led to into vigorous operation. those lamentable results, which have been so blessing.

Macon and Western Railroad.

class; two others are in Savannah, and two more on their way. These with those al-

present the most deplorable scenes of depra-vity and misery. What can be more horri-strongly sinewed by capital can accomplish

forcibly depicted in the sanatory report of the devoutly wished, we are under weighty oblipartiamentary commission. All these first gations to the stockholders in the new comrate provincial towns will eventually form pany, who have invested their capital in the mainly had in view in penning this hurried the great centres of railway lines; and if the enterprize. Contrary to the narrow preju-article, viz: the new business relations that plan suggested be carried out, the depravity dices of small minded people, our gratitude will be created by the opening of the Macon and social miseries of a crowded population is the more due to the stockholders, because and Western railroad, and the policy of our will be greatly alleviated, and that state of so- many of them have brought their capital from merchants in relation thereto. Few of our ciety which statisticians, especially of the a distance to occomplish for us what we would people have had their minds properly turned Malthusian school, have viewed as the greatin vain have essayed to accomplish for ourtest curse, may be converted into the purest selves. Our thanks are due, too, to A. Boody ness, its immense ramifications have escaped under whose energetic direction the work of their notice. A new, and an essentially dif-construction and re-construction has so rapid-ferent trade will be opened to Macon by the ly progressed. And let us vote an ovation to completion of the Macon and Western rail-

ready on hand, will make an ample motive ern railroad will be an auspicious result to Mississippi, shall flow in upon us the countpower for the road. Two passenger cars, Macon, to the stockholders in the new comcalculated for sixty passengers each, have ar- pany, and to the state of Georgia. To Ma- go down the great father of rivers to the Crerived, and are on the track. They are of the con, because a destiny is averted which would scent city. The situation of Macon is highly southern roads. The concerns of the road and Columbus, and the voice of the tax pay- bacon, etc. will be under the immediate charge of Mr. Foote, as superintendant and engineer—who is well qualified by experience in that department, having filled it for some time on the Norwich and Worcester railroad, which is

vigor to the animal frames of squalid myriads, and at the same time, by the powerful agenty of steam and rapid locomotion, to concern those who have been instrumental in its early acried into execution. Such a combination will insure the building of the branch at an early day, and will give strength and power ses of business, commerce, or social intercourse.

It is not however, to the metropolis alone that our views ought to be confined. There "The long and anxiously looked for time hostility. Let such an arrangement be made of commercial industry rising into importance is at hand, when our communication with the and our connection with the gulf streams by and daily extending in magnitude, where the Western and Atlantic railroad will be opened. railroad will be certain and easy. Our opi population are concentrated in masses, and The Macon and Western railroad is being nion is, that the branch should be constructed from Barnesville to Columbus, and that the vity and misery. What can be more horristrongly sinewed by capital can accomplish. Montgomery and West Point road should ble to contemplate than the wretched rooke- in sixty days this noble work will be done, deflect from its present direction to Girard. ries of filth and disease with which Liver- and all along the track from Macon to At. The large amount of business which Columpool, Manchester, Glasgow, and other large lanta, will be exhibited the astonishing evi- bus will readily furnish to the branch road, manufacturing towns abound? Their ever dences of business and trade which steam, the should of itself be decisive of the question. increasing population, without corresponding master agent of the world, never fails to call We trust that negotiations will be set on foot at once, to bring about a concert and co-ope-"For this consummation, so long and so ration of our railroad companies, for this im-

"We come now to consider what we "This important work, says the Macon Messenger of June 18th, is now nearly completed. It is confidently expected to commence running passenger cars on the 1st of July to Griffin, and by the 1st of August to Atlanta. One new locomotive for freight has arrived, which is of the largest and finest least two above and water and in a few years from the course of the us vote an ovation to the president of the company, that accomplished gentleman and stirring business man, exclusively connected with the cotton business; hereafter it will embrace an illimitable field of human production. Our Cherokee order of things from the chaotic state in which he found the affairs of the old Monroe rail-to our mark and in a few years from the course of the macon and Western rail-to-completion of the Macon and Western rail-to-completion of the Macon and Western rail-to-complete our trade has been almost exclusively connected with the cotton business; hereafter it will embrace an illimitable field of human production. Our Cherokee recomplete in the president of the company, that accomplished gentleman and stirring business man, exclusively connected with the cotton business; hereafter it will embrace an illimitable field of human production. Our Cherokee recomplished gentleman and stirring business man, exclusively connected with the cotton business; hereafter it will embrace an illimitable field of human production. Our Cherokee recomplished gentleman and stirring business man, exclusively connected with the cotton business. to our mart, and in a few years, from the "The completion of the Macon and West. teeming bosom of the great valley of the most finished and splendid workmanship; and are said (by those qualified to judge) not surpassed by any in the United States. They of their golden anticipations is near, when the better represent splendid parlors, hung with profits on their investment will roll into their drapery and covered with crimson cushions, than what we have heretofore known cause the permanency of her noble system gion of the state will remunerate the planter as travelling vehicles. Two more fifty pas of internal improvement is secured. Had handsomely in cotton growing, he will look senger cars are on their way.

"We understand that freights and fare for travellers will be made as low as practicable and lower than has usually been charged on conthern read of Columbus and the results of Savannah, Macon and Florida with bagging, rope, flour,

reputed the best built, and best managed road in the country."

Should rejoice in the present state of things.

"Considering the near and immediate comming districts, the trade of Cherokee and Tennessee will partake much of the barter themselves upon the approach of the period when this road shall be completed and thus open to them the trade of the Cherokee country, as well as that of the Tennessee valley. It will be an era in union of the Hamburg and Charleston, and the Georgia railroad companies is contemtion, which the merchants in these regions

Chair.—The paper read was "A Memoir on the Resistances to Railway Trains at different Velocities." By Wyndham Harding, Assoc., C. E. It commenced by describing that which had been calculated upon as nether in a plastic, granular, or soluble state. some new experiments made by the writer on broad gauge and atmospheric lines bing given in detail. Great difference of opinion on the amount of resistance prevailed in 1837, when a committee of the British association. The paper was illustrated by in several tables and diagrams. A gas burner of the continuous powder and in these states, it may be combined with sulphur, various powder, colors, and the doctrines and modes of calculation bristles, saw-dust, etc.; and for the last, it is on railways, would be believed, require great time: these the patentee prefers, although it is soluble in nearly all the essential oils. termining the resistance at various velocities; examined the subject and reported upon it.that the estimates taken by some engineers of the resistances per ton at high velocities exceeded those acknowledged by other engineers by as much as 300 per cent. It appeared that the same low estimate of resistance was advanced by the education of a stream of air to the cotton, wool, and other fibrous materials, leaves the floor cloths, goods' wrappers, tarpaulings, passing up through the hollow stem of the printers' blankets driving passing up through the hollow stem of the printers' blankets driving passing up through the hollow stem of the printers' blankets driving passing up through the hollow stem of the printers' blankets driving passing up through the hollow stem of the printers' blankets driving passing up through the hollow stem of the printers' blankets driving passing up through the hollow stem of the printers' blankets driving passing up through the hollow stem of the printers' blankets driving passing up through the hollow stem of the printers' blankets driving passing up through the hollow stem of the printers' blankets driving passing up through the hollow stem of the printers' blankets driving passing up through the hollow stem of the passing up through the passing up through the hollow stem of the passing up through the pa tance was advanced by the advocates of the broad gauge before the gauge commissioners. both in a theoretical and practical point of view, to determine which of these two estimates (differing thus widely) was correct; and the inquiry was stated to have been far cilitated by the application of two novel and direct modes of measuring resistances recently afforded to engineers by the appropriate strated by the excellent light in the theatre of the farm spheric strated by the excellent light in the theatre of the farm spheric strated by the excellent light in the theatre of the farm spheric strated by the excellent light in the theatre of the farm spheric strated by the excellent light in the theatre of the farm spheric strated by the excellent light in the theatre of the farm spheric strated by the excellent light in the theatre of the farm spheric strated by the excellent light in the theatre of the farm spheric strated by the excellent light in the theatre of the farm spheric strated by the excellent light in the theatre of the farm spheric strated by the excellent light in the theatre of the farm spheric strated by the excellent light in the theatre of the farm spheric spheric strated by the excellent light in the theatre of the farm spheric spherical spheric spheric spherical spheri Mr. Scott Russel in his experiments. In arranging the vast number of results afforded trying the power of the two lights with the pheric system on the line. He stated that by experiments, the author proceeded on the photometer, the new burner gave a better since he had last reported, the number of by experiments, the author proceeded on the following principle: He collected together all the results of experiments which exhibit uniform velocities maintained on a calm day, and on a line free from sharp curves: these results he calculated and projected in diagrams, and he showed that between these results here subsisted the most satisfactory agree sults here subsisted the most satisfactory agree ment and consistency. He argued that the

will exchange for goods bought in this market, will be readily convertible into cash, if not here, by shipment to larger markets.—
Charleston and Augusta are actively engaged in securing this trade. Merchants from these cities, or their accredited agents, are actively trade in the control of the conclusion, that the increase arts. Mr. Brooman, of Fleet street, has observed with the relief to the conclusion, that the increase arts. versing every part of that interesting and lovely region, soliciting trade, making ac quaintances, and securing customers. And what are the Savannah and Macon merchants doing at this important juncture? Supinely folding their arms, we fear, or dolefully, as is their custom, counting their eternally recurring losses on cotton. Surely Savannah and Macon mendants by some engineers. The author, in pointing the porcha, 8 of saw-dust, and Macon will put forth an effort at least to the results of these experiments indicated. The mastics, and cements. In his specification, he describes five kinds of artificial fuel; the first composed of 80 or 90 parts of small coal folding their arms, we fear, or dolefully, as is their custom, counting their eternally recurring losses on cotton. Surely Savannah and to the results of these experiments stated that I of coal tar or pitch. These are fuels for Macon will put forth an effort, at least to to the results of these experiments, stated that I of coal tar, or pitch. These are fuels for share with their rival cities the rich trade he desired not to express any opinion in the ordinary purposes; the 3 others are for bumwhich will be soon opened to them. We papers on the advantages or disadvantages of ing, to obtain the deposit, or unconsumed carappeal to the merchants of Savannah and the atmospheric system, or upon the other bon, as a fine pigment for the manufacture of Macon to turn their attention to this matter. practical points referred to; and then proceed printing inks: one is composed of 3 parts of Let them go to the up country and spend their ed to apply to the experimental facts a forgutta percha, and one of coal tar; another of summer months, instead of wasting their money and time at fashionable hotels and watering places at the north, and our word for it, they will be richly recompensed by a large paper concluded with some remarks on the of various mastics, coating for hempen, wool increase of business, and the accumulation of application of the experimental results exhiblen and other fabrics, required to be water ample fortunes."

application of the experimental results exhiblen and other fabrics, required to be water increase proof, it is first freed from all foreign matters Institution of Civil Engineers.—May a light train four times as much at 60 miles a washing process in a water tank, kept up an hour, as at 10,) to the calculation of the to a temperature of from 180° to 200? Fah, several series of experiments which had been made by different persons with a view to depresent appeared to be established had, he powder-and in these states, it may be comseveral tables and diagrams. A gas-burner The articles of manufacture to which the Notwithstanding this, it was found in 1845, of a novel and ingenious construction was extraction was extraction was extracted by some engineers hibited. The principal feature of novelty applicable, are single and double fabrics of passing up through the hollow stem of the button was heated and passed out by two series of fine holes around the periphery, and frames, cornices, pannelling, and other around the periphery. It became therefore a matter of great interest, impinging it with more force with the flame chitectural ornaments, mosaics, buttons, studs, ly afforded to engineers by the atmospheric strated by the excellent light in the theatre of railway apparatus, and the application of Mo- the institution, where these burners have been way .-- After the business had been transact rius' dynamometer, to determine the tractive used for some time. It was stated that in ed at the special meeting of shareholders, on force in propelling railway trains, as used by comparing the consumption of these burners Monday last, Mr. SAMUDA proceeded to give

The Atmospheric System .- Croydon Rail

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etc., fi on 30 and 3 his attention towards a removal of the diffi-culty, and he proposed a plan which he be lieved would have that effect. He proposed is the towards a removal of the diffi-culty, and he proposed a plan which he be lieved would have that effect. He proposed and 5,000 horses is the proper number that capstan, which will lift the train on, on the principle of the crane, and will effect the passage of the trains over the viaduct, irrespective of any momentum given. The most erroneous statements he said, had been circulated with respect to the working expenses of the supply. We see, therefore, that the present supply of hands is deficient—that any the greatest good to the greatest additional men cannot be obtained, and the acc of your approval, and an increase of your approval, and a the atmospheric system. It was affirmed, attempt to increase the supply would fail, be-humber." that the cost amounted to 2s. 10d. per train per mile. Now, he had instituted a compar-possibility of profitable investment. We do ison into the cost of the two systems; and he found, from the data afforded by the last half that present prices are 50 per cent dearer year's account, on the one hand, and the actual than this time last year. That is an exagtual charges of the atmospheric system on the geration. Prices are however, kept down other, that, notwithstanding all the difficulties only by the wisdom which has hitherto modwith which they had now to contend, the sa- erated the demand to the means of supply. of engines constructed on an improved prin- posterous.-Railway Chronicle. ciple, it would be much less. Each stationexpense of about four guineas a day. With system is becoming daily more and more in greater experience on the part of the workary engine worked a distance of 3 miles at an he calculated they would be able to limit the now testing the best method to be adopted. 6d per train per mile, or a saving of about to study the different systems of atmospheric and Watts. The chairman, in reply to a question from a proprietor, stated that the di-

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now under construction, and we find that on ried out in due time. them there are now employed 29,000 men and 3,000 horses. This amount comprehends one-fourth only of the lines now in progress of construction; therefore, we may assume 120, one mand 12,000 horses as the total number employed. The wages paid for these men and horses is £500,000 per week, or allway wages. This amount consists of wages merely for men directly employed on the line. Half as much again is expended indirectly on labor, preparing rails, chairs, stock, etc., for the line, and on land and other materials as much more. We have stated that

ving had been about 22 per cent., and with Let us have an injudicious increase of de-increased expense, and after the introduction mand, and prices will at once become pre-

Atmospheric Railways .- The atmospheric expenditure of each engine to three guineas, Councillor Schmid, the inspector of the state which, excluding the expense of the terminal railways of Austria, who was commissioned engine, would give an average cost of about by the government to visit England and France, 3d. Engines on a new principle were in propulsion, has returned to Vienna: his recourse of construction by Messrs. Boulton port on the atmospheric system is very farectors expect that the Croydon and Epsom line will be opened in the autumn. He might also state that, if the traffic on the Croydon are Crossing the Alps—a part of which they will have to blast, so as to carry out the line from Vienna to Trieste, also for crossing the mountain of Sammerica. don railway progressed as it had done of late tain of Semmering, which at present interthey would soon be in a condition to lay cepts the free or uninterrupted line to the the F. In the first fortnight in the month of complished, of which there is very little doubt vant, May, 1843, the number of passengers carried over the line amounted to 8,500. In the cormitting the overland India mail from Alexresponding period of this year the traffic andria to Trieste, via Austria and Ostend, amounted to 43,000 passengers.—Mining will be fully successful, instead of through France, via Marseilles.—Mining Journal.

Labor on Railways.—We have obtained returns from about 300 miles of railways favor in both of those states, and is likely to be car-

A CARD.

TO THE CITIZENS OF NEW YORK.

After a residence of over twenty-one years in this construction; therefore, we may assume 120,-city, I find it for my interest to seek, in a neighboring city, a new home, where I hope to derive more

etc., for the line, and on land and other mayet without sharing largely in its enjoyments-I tarrals as much more. We have stated that cannot leave it without regret, nor without acknowon 300 miles we have returns at 29 000 men ledging my obligations, and gratitude, to the many and 3,000 horses employed. But this is not kind friends, who have at all times cheered and en. New York.

30 watt Street.

We have stated that cannot leave it without regret, nor without acknown.

New York. Address Box 1078, Post-office, 21

viaduct, unless the trains have started at such rapid speed as to carry them over by the momentum given. He had, therefore, directed which we find that they require, in order to to fix at the top of the viaduct a small cylinder, to be worked by a vacuum produced in that these additional men must be had in orthe tube. This will give motion to a small der todo the work already stipulated. These my new habitation, and new vocation, a continu-

> SANDERSON & SON-my future residence after the 1st of July-I hope to meet many of those faces which, during a long residence here, have become familiar to me, and grasp many an honest hand, and exchange many a kind salutation, with warm and sincere friends.

The house is now undergoing a thorough renovation, and extensive improvements are to be made, by the addition of a convenient and well arranged ladies ordinary, a spacious new dining room for gentlemen, several new parlors, and many new and convenient lodging rooms. It will be newly painted throughout, and mainly refurnished, and thus be men, and with engines on a better principle, ced and scientific engineers of each state are placed on a footing with the best Hotels in Phila-Mr. James M. Sanderson, long favorably known as one of the gentlemanly proprietors of the Frank-LIN House, and as a caterer unsurpassed in the country; and also by the celebrated Chef de Cuisine Pelletier, who has also been connected with the house during the past four years, and whose superior, as an artiste in his line, in this country, is yet to be

With such a house, and such aid in its manage ment, I do not hesitate to say, to those friends and acquaintances who have known me during the past twenty years, and to others who have not, that they will find good accommodation, good fare, and all desirable attention to their wishes when they call at down a double line on the atmospheric sys-south. When this grand undertaking is acthe Franklin House, and apon their obedient ser-D. K. MINOR.



VALUABLE PROPERTY ON THE MILL V Dam For Sale. A lot of land on Gravelly Point, so called, on the Mill Dam, in Roxbury, fronting on and east of Parker street, containing

fronting on and east of Parker street, containing 68,497 square feet, with the following buildings thereon standing.

Main brick building, 120 feet long, by 46 ft wide, two stories high. A machine shop, 47x43 feet, with large engine, face, screw, and other lathes, suitable to do any kind of work.

Pattern shop, 35x32 fe, with lathes, work benches, Work shop, 86x35 feet, on the same floor with the pattern shop.

Work shop, 86x35 feet, on the same floor with the pattern shop.

Forge shop, 118 feet long by 44 feet wide on the ground floor, with two large water wheels, each 16 feet long, 9 ft diameter, with all the gearing, shafts, drumaces, forges, rolling mill, with large balance wheel and a large blowing apparatus for the foundry.

Foundry, at end of main brick building, 60x454 jeet two stories high, with a shed part 454x20 feet, containing a large air furnace, cupola, crane and corn oven.

Store house—a range of buildings for storage, etc., 200 feet long by 20 wide.

Locomotive shop, adjoining main building, fronting on Parker street, 54x25 feet.

Also—A lot of land on the canal, west side o

Parker st., containing 6000 feet, with the following buildings thereon standing: Boiler house 50 feet long by 30 feet wide, two sto-

Blacksmith shop, 49 feet long by 20 feet wide For terms, apply to HENRY ANDREWS, 48 State st., or to CURTIS, LEAVENS & CO., 106 State st., Boston, or to A. & G. RALSTON & Co., 106

TO RAILROAD COMPANIES AND BUILD-ERS OF MARINE AND LOCOMOTIVE ENGINES AND BOILERS.

PASCAL IRON WORKS.

WELDED WROUGHT IRON TUBES

From 4 inches to 1 in calibre and 2 to 12 feet long, capable of sustaining pressure from 400 to 2500 lbs. per seuare inch, with Stop Cocks, T. L. and other fixtures to suit, fitting together, with acrew joints, suitable for STEAM, WATER, GAS, and for LOCOMOTIVE and other STEAM BOILER FLUSS.



Manufactured and for sale MORRIS, TASKER & MORRIS. PHILADELPHIA.

gine Boiler Builders. Pascal Iron Works, Philadelphia. Welded Wrought Iron Flues, suitable for Locomotives, Marine and other Steam Engine Boilers, from 2 to 5 inches in diameter. Also, Pipes tor Gas, Steam and other purposes; extra strong Tube for Hydraulic Presses; Hollow Pistons for Pumps of Steam Engines, etc. Manufacture and for sale by

MORRIS TASKER & MORRIS,
Warscouse S. E. corner 3d and Walnut Sts., Phila delphia TO LOCOMOTIVE AND MARINE EN

LAP-WELDED WROUGHT IRON TUBES

TUBULAR BOILERS. FROM 1 1-2 TO 5 INCHES DIAMETER,

and

ANY LENGTH, NOT EXCEEDING 17 FEET. These Tubes are of the same quality and manufacture as those so extensively used in England, Scotland, France and Germany, for Locomotive, Marine and other Steam Engine Boilers.

> THOMAS PROSSER Patentee.

28 Platt street, New York.

RIGLISH PATENT WIRE ROPES—FOR THE USE OF MINES, RAILWAYS, ETC.—
for sale or imported to order by the subscriber.
These Ropes are manufactured on an entirely different principle from any other, and are now almost exclusively used in the collieries and on the railways in Great Britain, where they are considered to be greatly superior to hempen ones, or iron chains, as regards safety, durability and economy. The plan upon which they are made effectually secures them from corrosion in the interior, as well as the exterior of the rope, and gives a greater compactness and elasticity than is found in any other manu-

Many of these ropes have been in constant operation in the different mines in England, and on the Blackwall and other inclined planes, for three and four years, and are still in good condition.

They have been applied to almost every purpose for which hempen ropes have been used—mines, heavy cranes, standing rigging, window cords, lightning conductors, signal halvards, tiller ropes, etc. Reference is made to the annexed statement for the relative strength and size. Testimonials from the most eminent engineers in England can be shown as to their efficiency, and any additional information required respecting the different descriptions and application will be given by

ALFRED L. KEMP,

75 Broad street, New York, sole agent in the United States.

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Statement of Trial made at the Woolwick Royal Dock Yard, of the Patent Wire Ropes, as compared with Hempen Ropes and Iron Chains of the same strength.—October, 1841.

TO THE REAL PROPERTY.	WIRE ROI			N ROPES.	CHA	STRENGTH-	
Wire gauge number.	Circumference of rope.	Weight per fathom.	Circumference of rope.	Weight per fathom.	Weight per fathom.	Diameter of iron.	Tons.
n	INCH.	LBS. OZ. 13 5	INCH.	LBS. OZ. 24 -	LBS. 50	INCH. 15-16	20
13	31	8 3	84	16 -	27	11-16	134
14	31	6 11	71	12 8	17	9-16	101
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16	2	4 '3	6	8 8	101	7-16	7

N.B. The working load, with a perpendicular lift, may be taken at 6 cwt. for every lb. weight per fathom, that a rope weighing 5 lbs. per fathom would safely lift 3360 lbs., and so on in proportion. 1y

RAILROAD IRON.—The subscriber having taken contrats for all the Railroad Iron he can manufacture at his Iron Works at Trenton, un-Church Street, Spitalfields, London. can manufacture at his Iron Works at Trenton, until July next, will gladly receive orders for any quantity to be delivered after that time, not exceeding thirty tons per day. Also has on hand and will time and labor. They are the result of many expermake to order Bar Iron, Braziers' Rods, Wire Rods and Iron Wires of all sizes, warranted of the best quality. Also manufactures and has on hand Requal in strength to the Russian. Also on hand a constant supply of Glue, Neats' Oil, &c. &c.

PETER COOPER, 17 Burling Slip.

New York, January 23d, 1846.

1y 10

Church Street, Spitalfields, London.

The Caligraphic Pencils have been invented by E. Wolff and Son, after the expenditure of much time and labor. They are the result of many experments; and every effort that ingenuity and experience could suggest, has been made to insure the highest degree of excellence, and the profession may rely upon their being all that can be desired.

They are the expenditure of much time and labor. They are the result of many experments; and every effort that ingenuity and experience could suggest, has been made to insure the rely upon their being all that can be desired.

They are perfectly free from grit; and for richness of tone, depth of color, delicacy of tint, and evenness of texture, they are not to be equalled by the best Cumberland Lead that can be obtained at the present time, and are infinitely superior to every other desired.

RAILROAD IRON—500 TONS OF 67 LBS.

per yard—5 inches high—of the double headed pattern, which is now wholly used in England—now on the passage, and a further quantity will be contracted for. Also

500 tons T pattern, 56 lbs. per yard, for sale by BOORMAN, JOHNSTON & CO. 119 Greenwich street. 4:24

LAWRENCE'S ROSENDALE HYDRA-ulic Cement. This cement is warranted equal to any manufactured in this country, and has been pronounced superior to Francis' "Roman." Its value for Aqueducts, Locks, Bridges, Flooms and all Masonry exposed to dampness, is well known, as it sets immediately under water, and increases in

as it sets immediately solidity for years.

For sale in lots to suit purchasers, in tight paper for sale in lots to suit purchasers, in tight paper barrels, by JOHN W. LAWRENCE,

promptly attended to at this office.

& G. RALSTON & CO., NO. 4
South Front St., Philadelphia, Pa.
Have now on hand, for sale, Railroad Iron, viz:

PRING STEEL FOR LOCOMOTIVES,
Prince Steel For Locomotives,
Paring Steel For Locomotives,
Pittsburgh, Pa.

These Ropes are in successful operation on the planes of the Portage Railroad in Pennsylvania, on the Public Slips, on Ferries and in Mines. The many steel from 14 to 6 inches in width, and of any thickness required: large quantities are yearly furnished for railroad purposes, and wherever used, its quality has been approved of. The establishment being large, can execute orders with great promptitude, at reasonable prices, and the quality warranted. Address

JOAN F. WINSLOW, Agent,
It also supported to inches prices and in Mines. The first rope put upon Plane No. 3; Portage Railroad in Mines. The first rope put upon Plane No. 3; Portage Railroad in Mines. The first rope put upon Plane No. 3; Portage Railroad in Mines. The first rope put upon Plane No. 3; Portage Railroad in Mines. The planes of the Pottage Railroad in Mines. The first rope put upon Plane No. 3; Portage Railroad in Mines. The first rope put upon Plane No. 3; Portage Railroad in Mines. The planes of the Pottage Rail

time, and are infinitely superior to every other des-cription of Pencil now in use.

The Caligraphic Pencils will also recommend

themselves to all who use the Black Lead Pencils as an instrument of professional importance or recreation, by their being little more than half the price of other pencils.

An allowance will be made on every groce pur-

hased by Artists or Teachers.

May be had of all Artists, Colourmen, Stationers, Booksellers, etc. A single pencil will be forwarded as a sample,

upon the receipt of postage stamps to the amount.

Caution.—To prevent imposition, a highly finished and embossed protection wrapper, difficult of imitation, is put around each dozen of Pencils. Each Pencil will be stamped on both sides, "Caligraphic Black Lead, E. Wolff and Son, London."

The subscriber has on hand a full supply of Wolff and Son, accelerated Create I cavic, as Colored Provention.

a barrels, by JOHN W. LAWRENCE, 142 Front street, New York, and Sons celebrated Creta Loevis, or Colored Drawand Creta Loevis, or Colored D

P. A. MESIER, Stationer and Sole Agent No. 49 Wall Street.

MANUFACTURE OF PATENT WIRE
Rope and Cables for Inclined Planes, Standing Ship Rigging, Mines, Cranes, Tillers etc., by
JOHN A. ROEBLING, Civil Engineer,
Pittsburgh, Pa.

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PATENT HAMMERED RAILROAD, SHIP and Boat Spikes. The Albany Iron and Nail Works have always on hand, of their own manufacture, a large assortment of Railroad, Ship and Boat Spikes, from 2 to 19 inches in length, and of any form of head. From the excellence of the material always used in their manufacture, and their very general use for railroads and other purposes in this country, the manufacturers have no hesitation in warranting them fully equal to the best spikes in market, both as to quality and appearance. All orders addressed to the subscriber at the works, will be promptly executed. JOHN F. WINSLOW, Agent.

Albany Iron and Nail Works, Troy, N. Y. The above spikes may be had at factory prices, of Erastus Corning & Co., Albany; Hart & Merritt, New York; J. H. Whitney, do.; E. J. Etting, Philadelphia; Wm. E. Coffin & Co., Boston. 1245

PATENT RAILROAD, SHIP AND BOAT Spikes. The Troy Iron and Nail Factory keeps constantly for sale a very extensive assortment of Wrought Spikes and Nails, from 3 to 10 inches, manufactured by the subscriber's Patent Machinery, which after five years' successful operation, and now almost universal use in the United States (as well as England, where the subscriber obtained a patent) are found superior to any ever offered in market.

Railroad Directors and Managers are respectfully invisited to examine an improved SPARK ARRESTER, recently patented by the undersigned.

Our improved Spark Arresters have been brought to such a state of perfection that no annoyance from sparks or dust from the chimney of engines on which they are used is experienced.

These Arresters are constructed on an entirely different principle from any heretofore offered to the public. The form is such that a rotary motion is imparted to the heated air, smoke and steam, and thrown into an outer chamber of the chimney through openings near its top, from whence they fall by their own gravity to the bottom of this chamber; the smoke and steam passing drove thus acceptance and unobstructed as a state of perfection t DATENT HAMMERED RAILROAD, SHIP

having countersink heads suitable to holes in iron rails, to any amount and on short notice. Almost raus, to any amount and on short notice. Almost all the railroads now in progress in the United States are fastened with Spikes made at the above named factory—for which purpose they are found invaluable, as their adhesion is more than double any common spikes made by the hammer.

All orders directed to the Agent, Troy, N. York, will be nunctually attended to

will be punctually attended to.

HENRY BURDEN, Agent.

Spikes are kept for sale, at Factory Prices, by I. Spikes are kept for sale, at Factory Prices, by I. & J. Townsend, Albany, and the principal Iron merchants in Albany and Troy; J. I. Brower, 222 Water St., New York; A. M. Jones, Philadelphia; T. Janviers, Baltimore; Degrand & Smith, Boston.

* * Railroad Companies would do well to forward their orders as early as practicable, as the subscriber is desirous of extending the manufcturing so as to keep pace with the daily increasing demand.

ja45

FRENCH AND BAIRD'S PATENT SPARK ARRESTER

These chimneys and arresters are simple, durable and neat in appearance. They are now in use on the following roads, to the managers and other officers of which we are at liberty to refer those who

These chimneys and arresters are simple, durable and near in appearance. They are now in deson the following roads, to the managers and other officers of which we are at liberty to refer those who may desire to purchase or obtain further information in regard to their merits:

E. A. Stevens, President Camden and Amboy Railroad Company; Richard Peters, Superintendant Georgia Railroad, Augusta, Ga.; G. A. Nicolls, Superintendant Philadelphia, Reading and Pottsville Railroad, Reading, Pa.; W. E. Morris, President Philadelphia, Germantown and Norristown Railroad, Reading, Pa.; W. E. Morris, President W. and R. Railroad Company, Wilmington, N. C.; Col. James Gadsden, President S. C. and C. Railroad Company, Charleston, S. C.; W. C. Walker, Agent Vicksburgh and Jackson Railroad, Vicksburgh, Miss.; R. S. Van Rensselaer, Engineer and Sup't Hartford and New Haven Railroad, Vicksburgh, Miss.; R. S. Van Rensselaer, Engineer and Sup't Hartford and New Haven Railroad, Trans. Co.; J. Elliott, Sup't Mottova and Somerville Railroad; R. R. Cuyler, President Central Railroad Company, Savannah, Ga.; J. D. Gray, Sup't Macon Railroad, Macon, Ga.; J. H. Cleveland, Sup't Southern Railroad, Monroe, Mich.; M. F. Chittenden, Sup't M. P. Central Railroad, Detroit, Mich; G. B. Fisk, President Long Island Railroad, Brooklyn.

Orders for these Chimneys and Arresters, addressed to the subscribers, care Messrs. Baldwin & Whitney, of this city or to Hinckly & Drury, Boston, will be promptly executed. FRENCH & BAIRD.

N. B.—The subscribers will dispose of single rights, or rights for one or more States, on reasona
Philadelphia, Pa., April 6, 1844.

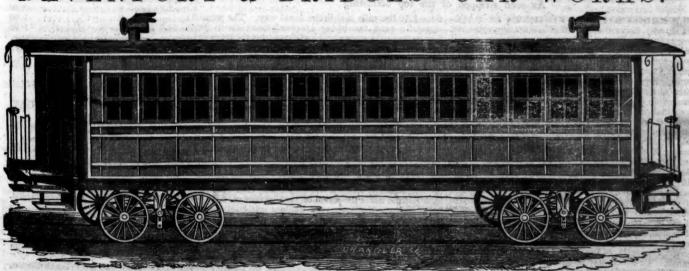
the terms.

Philadelphia, Pa., April 6, 1844.

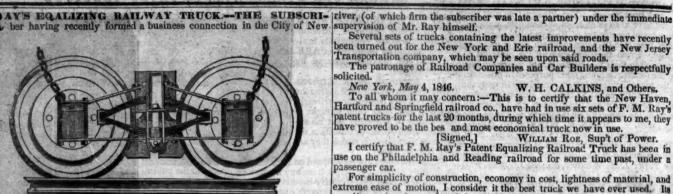
** The letters in the figures refer to the article given in the Journal of June, 1844. ble terms

BENTLEY'S PATENT TUBULAR STEAM BOILER. The above named Boiler is similar in principle to the Locomotive boilers in use on our Railroads. This particular method was invented by Charles W. Bentiey, of Baltimore, Md., who has obtained a patent for the same from the Patent Office of the United States, under date of September 1st, 1843—and they are now already in successful operation in several of our larger Hotels and Public Institutions, Colleges, Alms Houses, Hospitals and Prisons, for cooking, washing, etc.; for Bath houses, Hatters, Silk, Cotton and Woollen Dyers, Morocco ressers, Soap boilers, Tallow chandlers, Pork butchers, Glue makers, Sugar refiners, Farmers, Distillers, Cotton and Woollen mills, Warming Buildings, and for Propelling Power, etc.; and thus far have given the most entire satisfaction, may be had of D. K. MINOR, 23 Chambers st. New York.

DAVENPORT & BRIDGES' CAR



DAVENPORT & BRIDGES CONTINUE TO MANUFACTURE TO ORDER, AT THEIR WORKS, IN CAMBRIDGEPORT, MASS. senger and Freight Cars of every description, and of the most improved pattern. They also furnish Snow Ploughs and Chilled Wheels of any pattern size. Forged Axles, Springs, Boxes and Bolts for Cars at the lowest prices. All orders punctually executed and forwarded to any part of the country Our Works are within fifteen minutes ride from State street, Boston—coaches pass every fifteen minutes.



York, expressly for the manufacture of the newly patented and highly approved Railroad Truck of Mr. Fowler M. Ray, is ready to receive orders for building the same, from Railroad Companies and Car Builders in the United States, and elsewhere.

The above Truck has now been in use from one to two years on several roads a sufficient length of time to test its durability, and other good qualities, and to satisfy those who have used it, as may be seen by reference to the certificates which follow this notice.

tificates which follow this notice.

There have been several improvements lately introduced upon the Truck, such as additional springs in the bolster of passenger cars, making them delightful riding cars—adapting it to tenders, trucks forward of the locomotive, and freight cars, which, with its original good qualities, make it in all respects the most desirable truck now offered to the public.

Orders for the above, will, for the present, be executed at the New York Screw Mill, corner 33d street and 3d avenue, (late P. Cooper's rolling mills) and at the Steam Engine Shop of T. F. Secor & Co., foot of 9th street, East

solicited.

New York, May 4, 1846.

To all whom it may concern:—This is to certify that the New Haven, Hartford and Springfield railroad co., have had in use six sets of F. M. Ray's patent trucks for the last 20 months, during which time it appears to me, they have proved to be the bes and most economical truck now in use.

[Signed,]

WILLIAM Roe, Sup't of Power.

I certify that F. M. Ray's Patent Equalizing Railroad Truck has been in use on the Philadelphia and Reading railroad for some time past, under a passenger car.

passenger car.

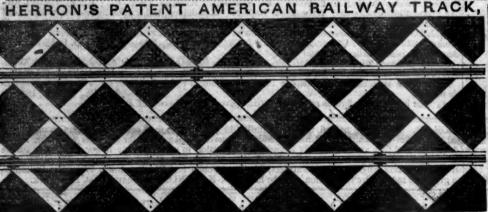
For simplicity of construction, economy in cost, lightness of material, and extreme ease of motion, I consider it the best truck we have ever used. Its peculiar make also renders it less liable to be thrown off the track, when passing over any obstruction. We intend using it extensively under the passenger and freight cars of the above road.

Reading, Pa., October 6, 1845. [Signed,] G. A. Nicoll, Sup,t Transportation, etc., Philadelphia and Reading Railroad. To all whom it may concern:—This is to certify that the N. Jersey Railroad and Transportation company have used Fowler M. Ray's Truck for the last seven months, during which time it has operated to our entire satisfaction. I have no hesitation in saying that it is the simplest and most economical truck now in use.

Jersey City, November 4, 1845. N. Jersey Railroad and Transp. Co. This is to certify that F. M. Ray's Patent Equalizing Railroad Truck has been in use on the Long Island railroad for the last year, under a freight car. For simplicity of construction, economy in cost, lightness of material and ease of motion, I consider it equal to any truck we have in use.

Long Island Railroad Depot,

Jamaica November 12, 1845. 1919 Sup't Motive Power.



As seen stripped of the top ballasting

ERRON'S IMPROVEMENTS IN RAILway Superstructure effect a large aggregate saving in the working expenses, and maintenance of railways, compared with the best tracks in use. This saving is effected—1st, Directly by the amount of the increased load that will be hauled by a locomotive, owing to the superior evenness of surface, of line and of joint. This gain alone may amount to 20 per cent. on the usual load of an engine.—2d, In consequence of the thorough combination, bracing, and large bearing surface of this track, it will be maintained in a better condition than any other track in use, at about one-third the expense.—3d, As action and reaction are equal, a corresponding saving of about two-thirds will be effected in the wear and tear of the engines and cars, by the even surface and saving of about two-thirds will be effected in the wear and tear of the engines and cars, by the even surface and elastic structure of the track.—4th, The great security to tife, and less liability to accident or damage, should the engine or cars be thrown off the rails.—5th, The absence of jar and vibration, that shake down retaining walls, embankments and bridges.—6th, The great scharacter of the high speed that may be safely attained, with ease of motion, reduction of noise, and consequently increased comfort to the traveller.—7th, The really permanent and perfect character of the Way, insuring regularity of travel, that would be induced by the foregoing qualities to augment the revenue of the railroad.

The cost of the Patent track will depend on the quantity and cost of iron and other materials; but it will not exceed, even including the preservation of the timber, the neverage cost of the tracks on our principal railroads in this country carry as much as 100,000 remains the tracks on our principal railroads in this country carry as much as 100,000 per mile. On this structure, rails of from 40 to 50 lbs. per yard, will be equal in effect to reduce the recent of the iron rails, will be great in effect to railroads.

The will pleage one-formers evering payment to the un. "railroads in the accruing interest everon in the un." signed at the company by securing payment to the un. "railroad the un." signed at the company in the unack, without any charg sheing the workmanship on the track, without any charg sheing the workmanship on the track, without any charg sheing the workmanship on the use of the patent, the subsequent per ments, for the use of the patent, the subsequent per ments, for the use of the patent, the subsequent per ments, for the use of the patent, the subsequent per ments, for the use of the patent, the subsequent per ments, for the use of the patent, the subsequent per ments, for the use of the patent, the subsequent per ments, for the use of the patent, the subsequent per ments, for the use of

of the top ballasting

60 and 70 lbs. rails laid in the usual way. The proprietors of a road, furnishing approved materials in the first instance, the undersigned will construct the track on his plan in the most perfect manner, with recent improvements, for one thousand dollars per mile. And he will farther contract to maintain said track for the period of ten years, furnishing such preserved timber and iron fastenings as may be required, and keeping said track in perfect adjustment, under any trade not exceeding 100,000 tons per annum, or its equivalent in passenger transportrion, for Two kundred dollars per mile per annum.* To insure the faithful performance of this ROGERS, KETCHUM AND NAIL FACTORY, H. Burden, Agent. (See Adv.)

TROY IRON AND NAIL FACTORY, H. Burden, Agent. (See Adv.)

TROY IRON AND NAIL FACTORY, H. Burden, Agent. (See Adv.)

NOR, Patterson, N. J. (See Adv.)

NOR, Patterson, N. J. (See Adv.)

NORRIS, BROTHERS, Philadelphia Pa. (See Adv.)

KITE'S Patent Safety Beam. (See Adv.)

KITE'S Patent Safety Beam. (See Adv.)

NORRIS, BROTHERS, Philadelphia, Pa. (See Adv.)

NORNANNS, Baltimore, Md.

Cyrus Alger & Co., South Boston of the concessful railroads in this country. for a period of SETHADAMS. Engineer. South Boston of the concessful railroads in this country. for a period of SETHADAMS. Engineer.

THE AMERICAN RAILROAD JOURNAL is the only periodical having a general circulation throughout the Union, in which all matters connected with public works can be brought to the notice of all perworks can be brought to the notice of all persons in any way interested in these undertakings. Hence it offers peculiar advantages for advertising times of departure, rates of fare and freight, improvements in machinery, materials, as iron, timber, stone, cement, etc. It is also the best medium for advertising contracts, and placing the merits of new undertakings fairly, before the public.

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